The background of the slide features a dark blue gradient. Overlaid on it are several translucent, glowing blue wireframe cubes. These cubes are composed of numerous small blue dots connected by thin lines, creating a sense of depth and perspective. They are scattered across the left side of the slide.

User interface documentation

doMail server

Dominanz spol. s r.o.

Contents

1 doMail	1
1.1 Basic functionalities	1
2 Basic screens of doMail UI	2
2.1 Login page	2
2.2 Header	3
2.3 Sidebar	3
3 Dashboard	5
3.1 List items for the set period (days/months)	5
3.1.1 Communications	6
3.1.2 Errors	7
3.1.3 Scenarios	7
3.2 List of communications for the channels	8
3.3 List of errors	10
3.4 List of scenarios	13
4 Communications	16
4.1 Communication states	18
4.2 Filter	19
4.2.1 Header	19
4.2.2 Address	20
4.2.3 Log	20
4.2.4 Tag	20
4.3 Menu action - Cancel	20
4.4 Menu action - Resend	20
4.5 Menu action - Reprocess	22
4.6 Menu action - Export	22
5 Campaigns	24
5.1 Add campaign	24
5.2 Campaign detail	24
5.2.1 General data	25
5.2.2 Source data	25
5.2.3 History	27
6 Statistics	28
6.1 Filter	28
6.2 Group by	28
6.2.1 Group by runs	29
6.2.2 Group by scenarios	30
6.2.3 Group by groups	32
6.2.4 Group by tags	33
6.2.5 Group by addresses	34

7 Configuration	36
7.1 Scenarios	36
7.1.1 Add new scenario	37
7.1.2 Scenarios - edit	38
7.1.2.1 Conditions	38
7.2 Templates	39
7.2.1 Create new template	40
7.2.2 Edit	42
7.2.2.1 Template data	42
7.2.2.2 Design	45
7.2.2.3 Attachments	46
7.2.2.4 Images	47
7.3 Scripts	47
7.3.1 Constants	48
7.3.2 Create new script	48
7.4 Gallery	51
7.4.1 Images	51
7.4.2 Attachments	51
8 Administration	52
8.1 Users	52
8.1.1 User detail	52
8.2 Roles	53
8.2.1 New Role	53
8.2.2 Role detail	54
8.3 Monitoring	55
8.3.1 Services	55
8.3.2 Queues	55
8.4 Blacklist	56
8.5 Whitelist	56
8.5.1 Whitelist data item	57
8.6 Settings	58
8.6.1 Main	58
8.6.2 Debug	60
8.6.3 SMTP	61
8.6.4 DKIM	62
8.7 Certificates	63
8.7.1 Domail certificates	63
8.7.2 DKIM	64
Alphabetical Index	66

List of Figures

1	Login page	2
2	Login page in dark mode	3
3	Header	3
4	Sidebar	4
5	Dashboard screen - communication for the last months	5
6	Dashboard screen - communication for the last months	6
7	Dashboard - communications for the last days	6
8	Dashboard screen - errors for the last months	7
9	Dashboard - errors for the last days	7
10	Dashboard screen - scenarios for the last months	8
11	Dashboard - scenarios for the last days	8
12	Dashboard screen - communications by channels	9
13	Dashboard communications by channels - settings button	9
14	Dashboard communications by channels - preselected all types of channel in filter	10
15	Dashboard communications by channels - selected 3 types of channel in filter	10
16	Dashboard communications by channels - selected 3 types of channel in filter with the possibility of adding a new type	10
17	Dashboard screen - communications by errors	11
18	Dashboard communications by errors - preselected all types of errors in filter	12
19	Dashboard communications by errors - selected 4 types of errors in filter	12
20	Dashboard communications by errors - selected 4 types of errors in filter with the possibility of adding a new type	13
21	Dashboard screen - communications by scenarios	13
22	Dashboard communications by scenarios - settings button	14
23	Dashboard communications by scenarios - preselected all types of scenarios in filter	14
24	Dashboard communications by scenarios - selected 3 types of scenarios in filter	14
25	Dashboard communications by scenarios - selected 4 types of errors in filter with the possibility of adding a new type	15
26	Communications screen	16
27	Communications screen - extend detail info about selected communication	16
28	Communications screen - button Refresh	17
29	Communications screen with selected rows	17
30	Communications screen - button Action with list of actions in menu	17
31	Communications screen with tab filter	19
32	Communications screen tab Header in filter	20
33	Communications screen tab Address in filter	20
34	Communications screen tab Log in filter	20
35	Communications screen tab Tag in filter	20
36	Communications - action resend - before	21
37	Communications - action resend - after	21
38	Communications - action resend - result	21
39	Communications - action export	22
40	Communications - action export - CSV file	22
41	Communications - action export - XML file	23

42	Campaigns screen	24
43	Add campaign	24
44	Detail of new campaign - general data	25
45	Detail of new campaign - source data 1	25
46	Detail of new campaign - source data 2	26
47	Detail of new campaign - source data 3	27
48	Detail of new campaign - history	27
49	Statistics screen - filter	28
50	Statistics - Group by runs	29
51	Statistics - Overview according to amounts.	29
52	Statistics - Communication detail in time (day).	30
53	Statistics screen - Overview of system statuses/Overview of delivery statuses.	30
54	Statistics screen - tables.	30
55	Statistics - Group by scenarios	31
56	Statistics - Group by scenarios - Overview according to amounts.	31
57	Statistics - Group by scenarios - Communication detail in time.	32
58	Statistics - Group by groups	32
59	Statistics - Group by groups - Overview according to amounts.	33
60	Statistics - Group by groups - Communication detail in time.	33
61	Statistics - Group by tags	33
62	Statistics - Group by tags - Overview according to amounts.	34
63	Statistics - Group by tags - Communication detail in time.	34
64	Statistics - Group by addresses	34
65	Statistics - Group by addresses - Overview according to amounts.	35
66	Statistics - Group by addresses - Communication detail in time.	35
67	Scenarios screen.	36
68	Scenarios screen - filter.	37
69	Scenarios screen - add new.	37
70	Scenarios screen - add new - required fields.	38
71	Scenarios screen - created of new scenario.	38
72	Scenarios screen - created of new scenario - conditions.	39
73	Scenarios screen - created of new scenario - conditions - edit.	39
74	Template screen	40
75	Template - filter	40
76	Template - add new	41
77	Template - general data	41
78	Template - template data	42
79	Template - CSV template data - parsing	43
80	Template - CSV template data - loaded	43
81	Template - JSON template data - loaded	44
82	Email params in template data	44
83	Empty design of template	45
84	Template - design - use created parameter in template	45
85	Template - design - used parameters in template	46
86	Attachments	46
87	Attachments - loaded attachment	47
88	Images	47
89	Script - list	48

90	Script - constants	48
91	Script - add new	49
92	Script - add new - script header	49
93	Script - add new - script	50
94	Images	51
95	Attachments	51
96	Users	52
97	User detail	52
98	Roles	53
99	Roles - New role	53
100	Roles - New role - special access rules	54
101	Roles detail	54
102	Monitoring - services	55
103	Monitoring - queues	56
104	Blacklist	56
105	Whitelist	57
106	Whitelist - on/off in setttings	57
107	Whitelist data item	57
108	Settings	58
109	Settings	58
110	Settings - Main 1	59
111	Settings - Main 2	59
112	Settings - Main 3	60
113	Settings - Main 4	60
114	Settings - Debug	61
115	Settings - SMTP 1	62
116	Settings - SMTP 2	62
117	Settings - DKIM	63
118	Certificates - Domail certificates	63
119	Certificates - Domail certificates - wizzard	64
120	Certificates - DKIM	64
121	Certificates - DKIM - wizzard	65

1 doMail

What this document is about? This document is about the doMail system.
What is the doMail system? A tool for the age of mass electronic communication. Provides bulk processing of communications.

- Ensures control over outgoing communications
- Relieves you of the burden of tracking technical details in applications sending communications
- Centralises the sending of communications
- Includes automated tools for outbound message composition, processing and delivery tracking, monitoring support
- Processes large batches of communications

1.1 Basic functionalities

- Entering a new communication - via two fundamentally different interfaces: the SMTP interface, which allows you to use DoMail without modification in your REST applications, and the SOAP interfaces, which expect input data from which the resulting communication is assembled
- Communication processing - according to the identification data, a control script and parameters for message composition are selected for each message
- Sending - compiled communications are sent to the server according to the type (e-mail, SMS) - they are controlled by priority and it is also possible to postpone sending at a specified time
- Archiving - sent communications are archived with a set retention period
- Blacklist - addresses that repeatedly fail to send a message are blacklisted and subsequent communication is rejected for these addresses
- Status tracking - sending, delivery, read and error status handling

All these functionalities can also be accessed via the prepared UI, which we will now describe in the following chapters.

2 Basic screens of doMail UI

Description of the basic screens of the doMail UI.

2.1 Login page

On the figure 1, you will see Login page, you can write username and password. The 'Login' button is used to login to DoMail UI. It is possible to choose the language even before logging in doMail.

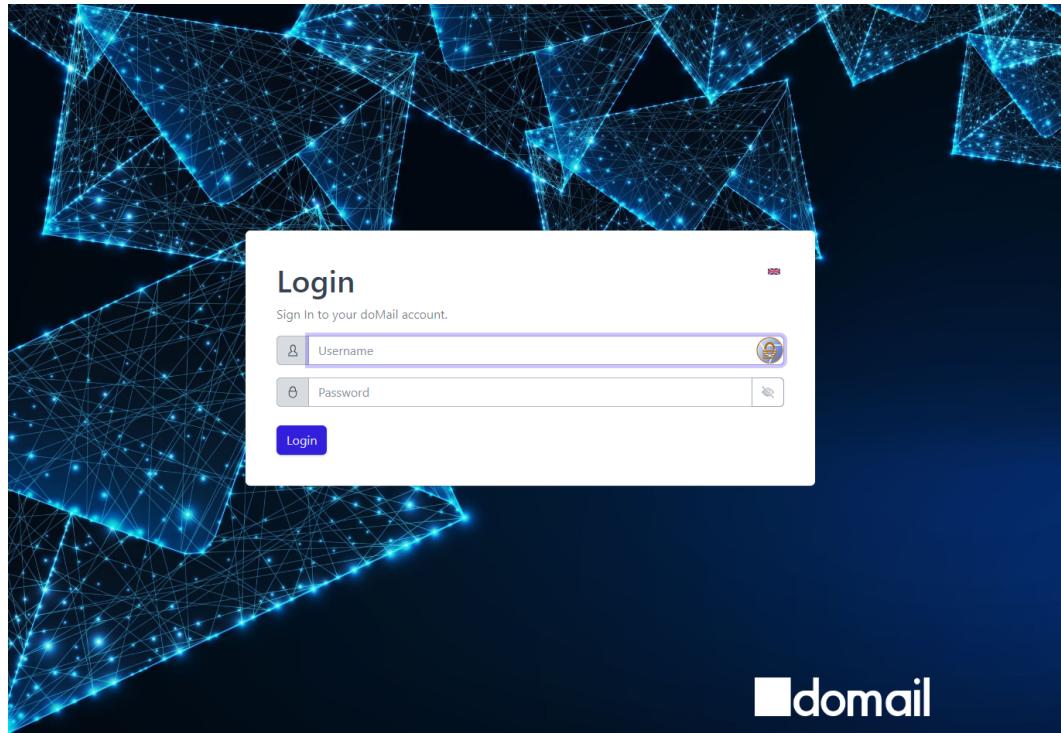


Figure 1: Login page

If the Dark mode is set, the Login page looks like on the figure 2. You can also see that the doMail system validates not entered or entered data.

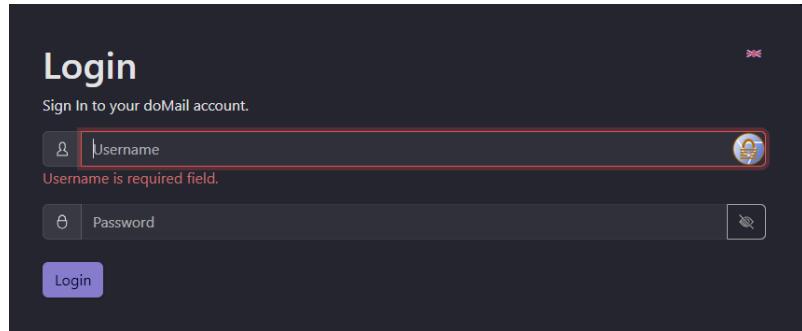


Figure 2: Login page in dark mode

2.2 Header



Figure 3: Header

On figure 3 shows the menu header:

1. set of visibility sidebar (visible / hide/ auto hide)
2. search panel
3. switch to light/dark mode UI
4. switch language
5. information of the current logged user
6. information of the current page

2.3 Sidebar

On figure 4 shows sidebar of doMail:

1. menu items
2. switch mode - normal (4a) / minimal (4b)

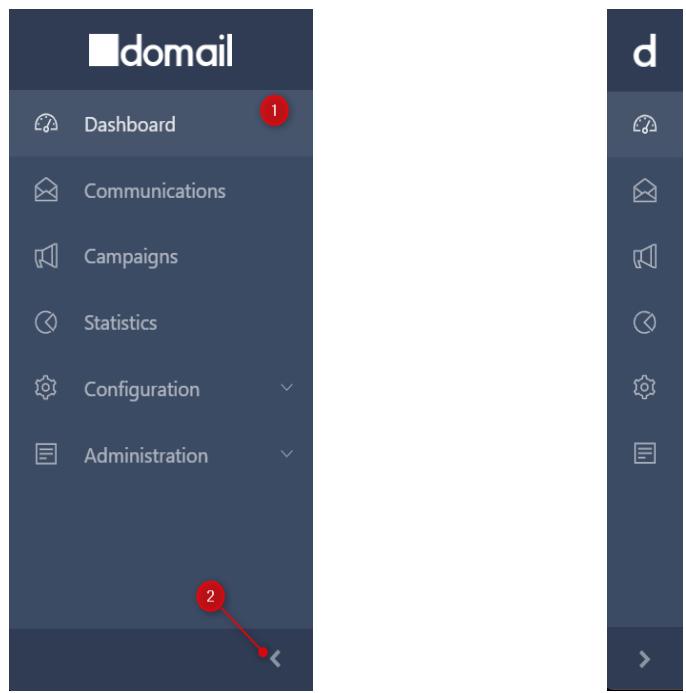


Figure 4: Sidebar

3 Dashboard

The following picture 5 shows Dashboard. Dashboard has more modes.

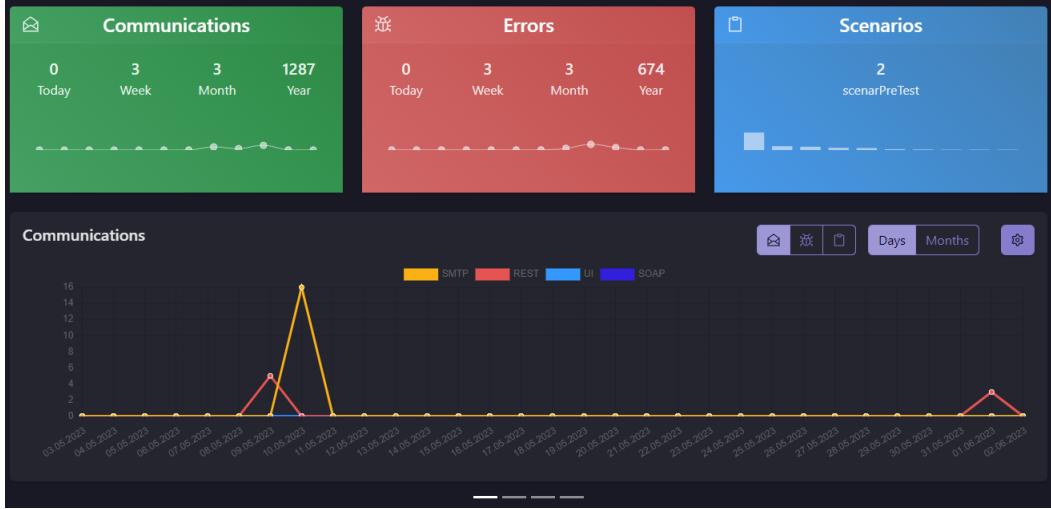
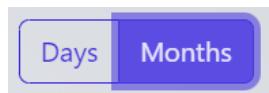


Figure 5: Dashboard screen - communication for the last months

Dashboard has more modes:

1. List items for the set period (days/months)
2. List of communications for the channels
 - (a) per **days in last 7 days**
 - (b) per **current day of week in last 2 months**
 - (c) per **current week of month in last 6 months**
 - (d) per **current month in last 6 years**
3. List of errors
 - (a) per **days in last 7 days**
 - (b) per **current week of month in last 6 months**
 - (c) per **current month in last 6 years**
4. List of scenarios
 - (a) per **days in last 7 days**
 - (b) per **current week of month in last 6 months**
 - (c) per **current month in last 6 years**

3.1 List items for the set period (days/months)



The period setting can be set for the last days or last months.

Days will display the communications of the last month.

Months will display the communications of the last 12 months.



In addition to the list of communications (in the figure is number 1) in the graph, the list of errors (in the figure is number 2) or the list of scenarios (in the figure is number 3) can also be switched.

3.1.1 Communications

The following picture 6 shows the list of communications for the set period (Months)

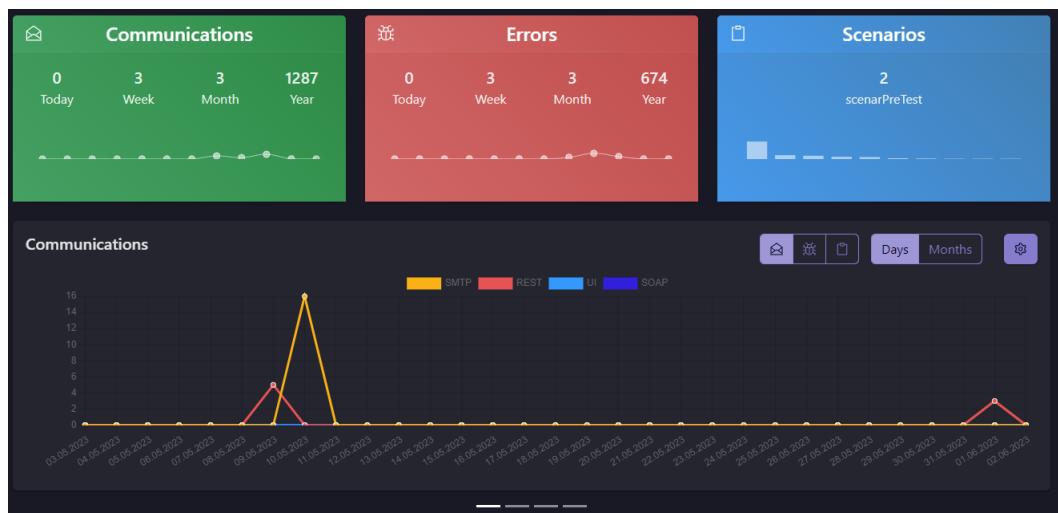


Figure 6: Dashboard screen - communication for the last months

The following picture 7 shows the list of communications for the set period (Days)



Figure 7: Dashboard - communications for the last days

3.1.2 Errors

The following picture 8 shows the list of errors for the set period (Months)

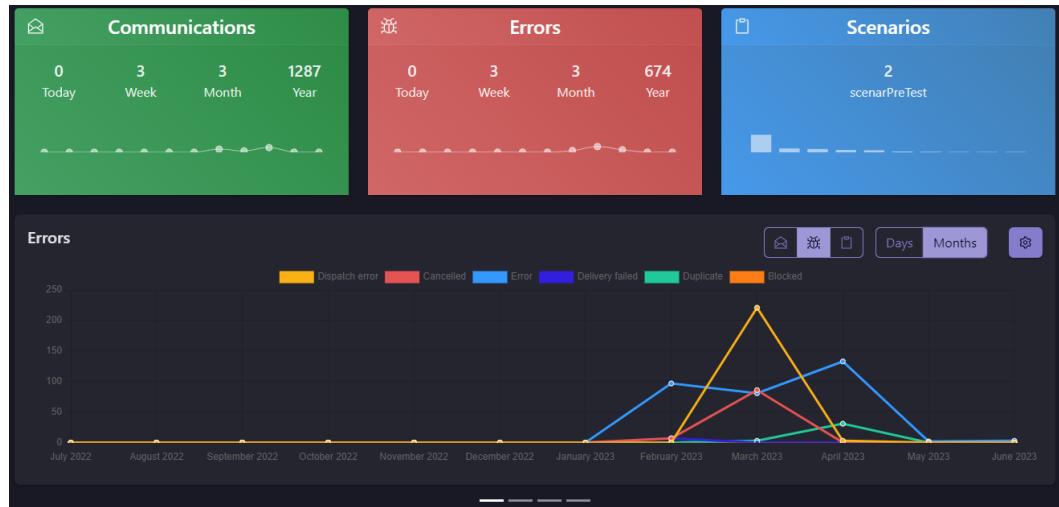


Figure 8: Dashboard screen - errors for the last months

The following picture 9 shows the list of errors for the set period (Days)



Figure 9: Dashboard - errors for the last days

3.1.3 Scenarios

The following picture 10 shows the list of scenarios for the set period (Months)

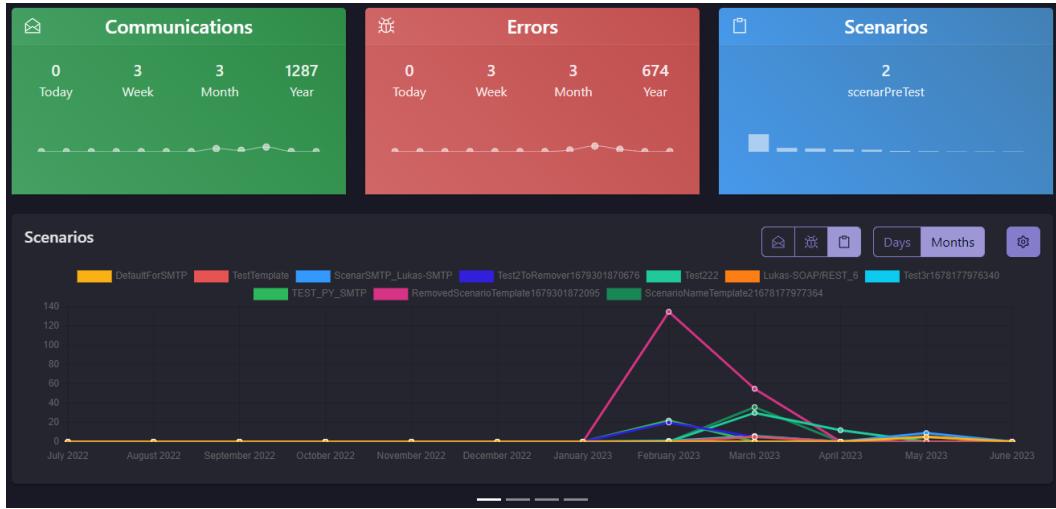


Figure 10: Dashboard screen - scenarios for the last months

The following picture 11 shows the list of errors for the set period (Days)



Figure 11: Dashboard - scenarios for the last days

3.2 List of communications for the channels

The screen 12 shows data by channel type of the current month for the last 6 years.



Figure 12: Dashboard screen - communications by channels



Figure 13: Dashboard communications by channels - settings button

The graph on the screen 12 allows you to change the settings (13):

Counts :

1. Average counts
 2. Total counts

Period:

- ## 1. Periodics period

- ## 2 Nearest neighbor

Setting the period:

1. today - per days in last 7 days

- ## 2 Friday per cu

— 1 —

3. 3 week - per current week or month

4. June - per **current month** in last 6 years

Filter contains preselected all types of channels (14).

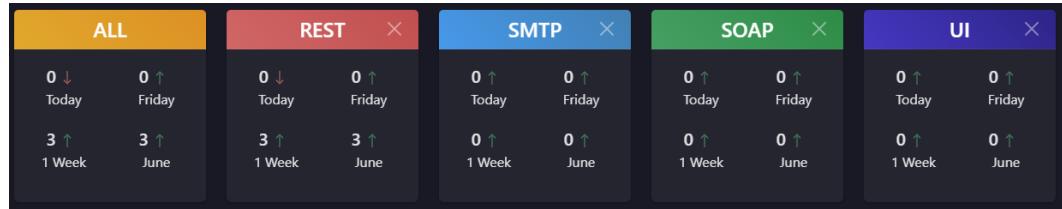


Figure 14: Dashboard communications by channels - preselected all types of channel in filter

Filter on the picture 15 contains selected the 3 types of channels. The last item on the picture 15 is the possibility to add missing channel types.

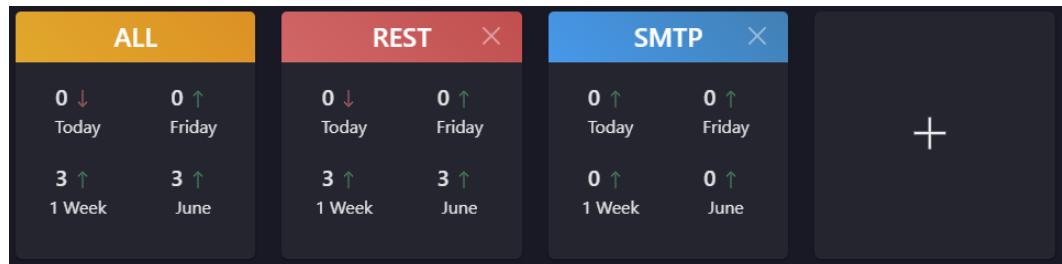


Figure 15: Dashboard communications by channels - selected 3 types of channel in filter

After mouseover, the last item is changed (16).

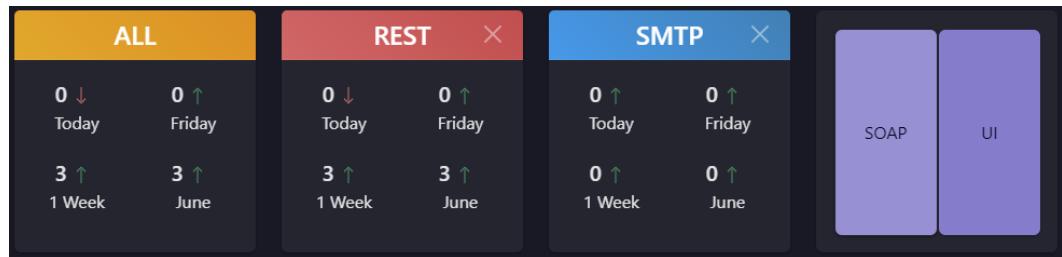


Figure 16: Dashboard communications by channels - selected 3 types of channel in filter with the possibility of adding a new type

3.3 List of errors

The screen 17 shows data by error type of the current month for the last 6 years.

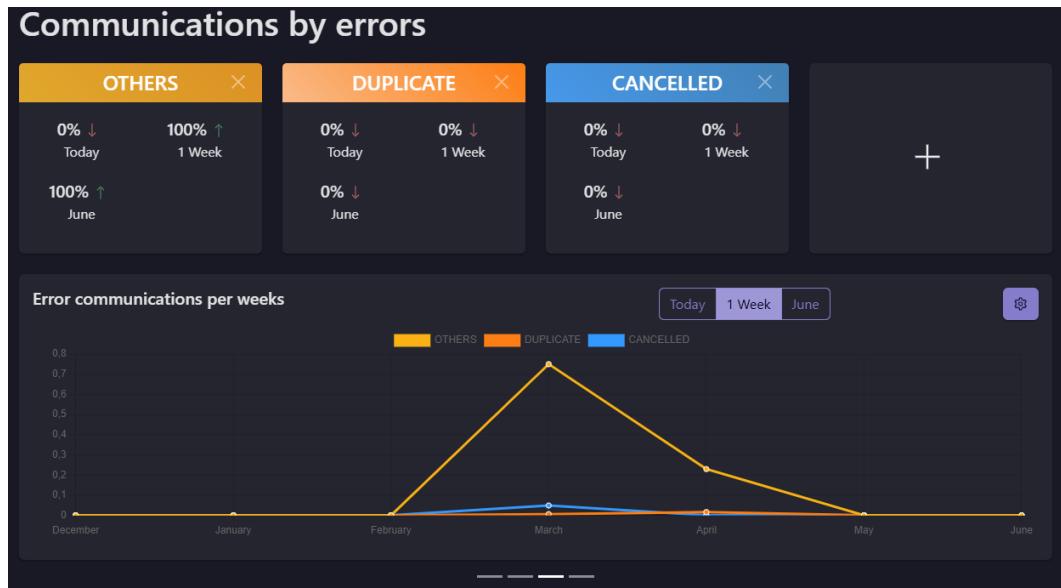


Figure 17: Dashboard screen - communications by errors

The graph on the screen 17 allows you to change the settings (13):
Counts :

1. Average counts
2. Total counts

Period:

1. Periodics period
2. Nearest period

Setting the period:

1. today - per **days** in last 7 days
2. 3 week - per **current week of month** in last 6 months
3. June - per **current month** in last 6 years

Filter on the picture 18 contains preselected all types of errors .

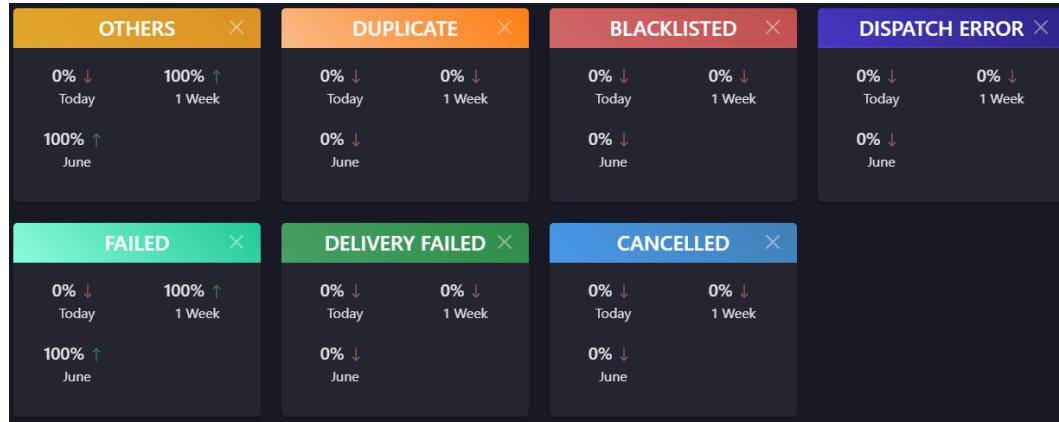


Figure 18: Dashboard communications by errors - preselected all types of errors in filter

Filter on the picture 19 contains selected the 4 types of errors. The last item on the picture 19 is the possibility to add missing error types.

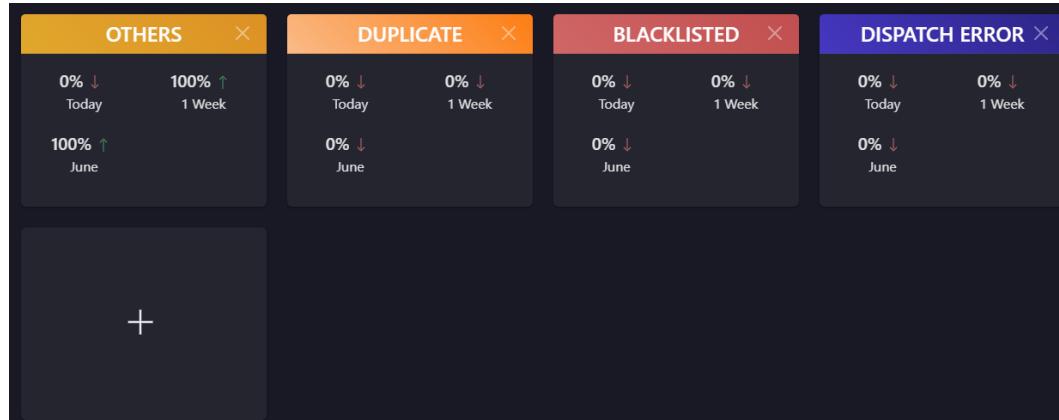


Figure 19: Dashboard communications by errors - selected 4 types of errors in filter

After mouseover, the last item is changed (20).

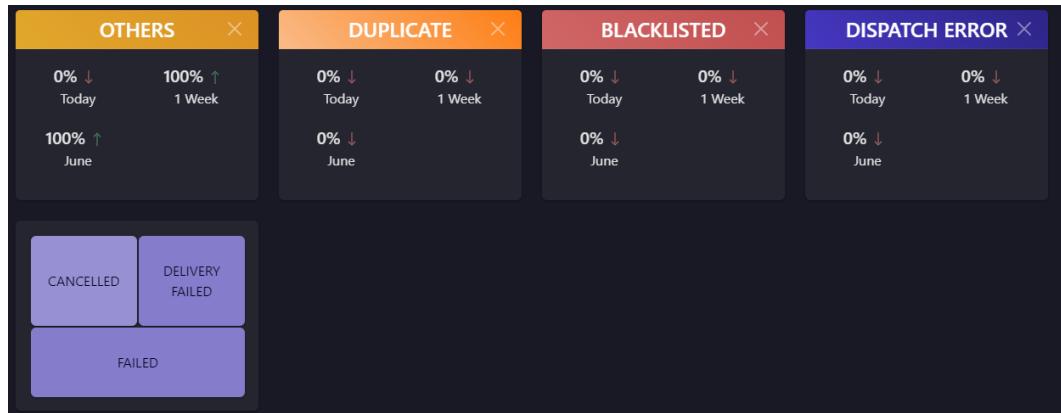


Figure 20: Dashboard communications by errors - selected 4 types of errors in filter with the possibility of adding a new type

3.4 List of scenarios

The screen 21 shows data by scenarios.

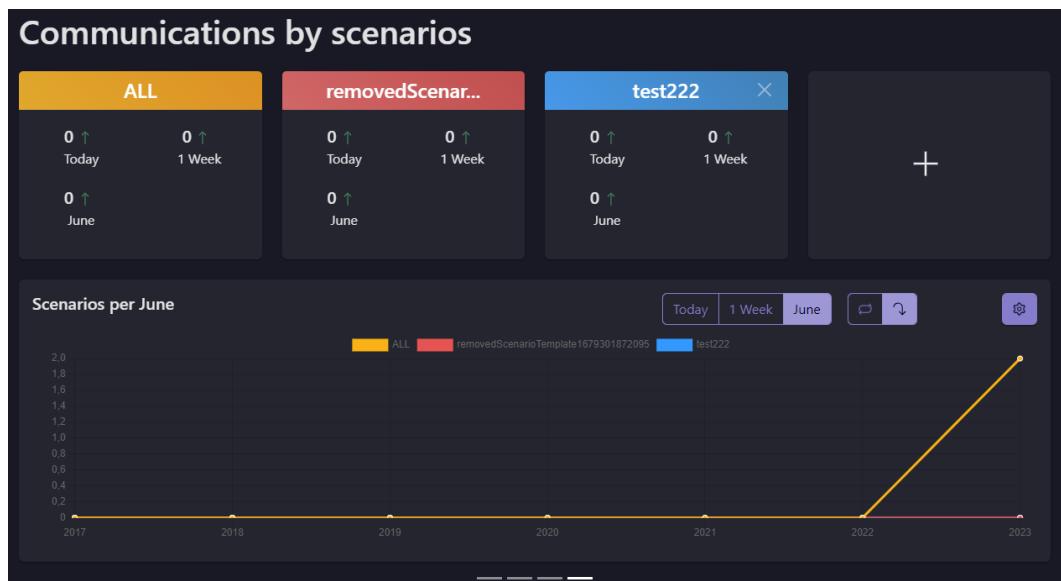


Figure 21: Dashboard screen - communications by scenarios

The graph on the screen 21 allows you to change the settings (22):
Periods:

1. Periodics period
2. Nearest period

Settings periode:

1. today - per **days** in last 7 days
2. 3 week - per **current week of month** in last 6 months
3. June - per **current month** in last 6 years



Figure 22: Dashboard communications by scenarios - settings button

Filter on the picture 23 contains preselected all types of scenarios.

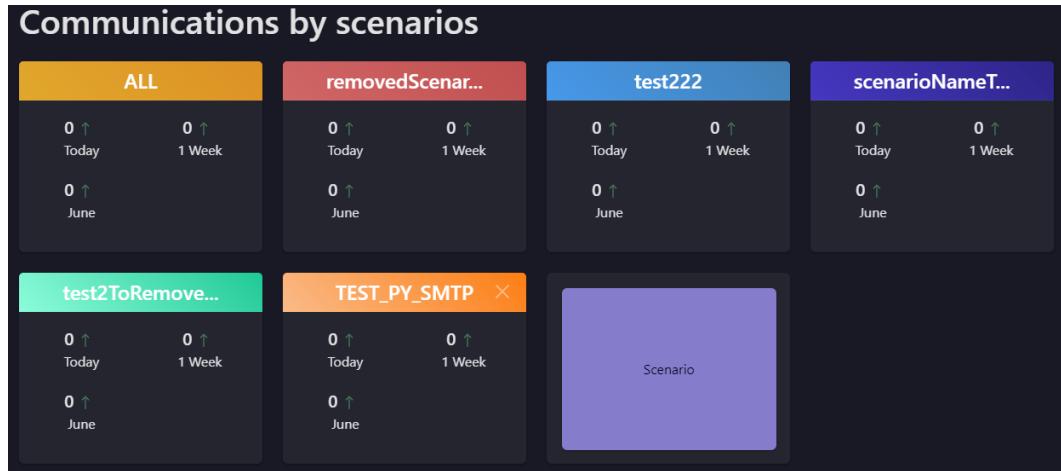


Figure 23: Dashboard communications by scenarios - preselected all types of scenarios in filter

Filter on the picture 24 contains selected the 3 types of scenarios. The last item on the picture 24 is the possibility to add missing scenarios.

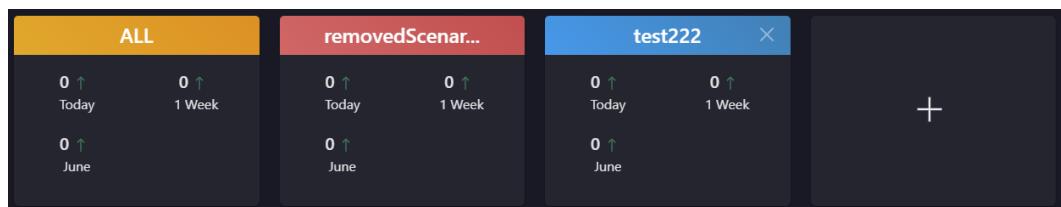


Figure 24: Dashboard communications by scenarios - selected 3 types of scenarios in filter

After mouseover, the last item is changed (25).

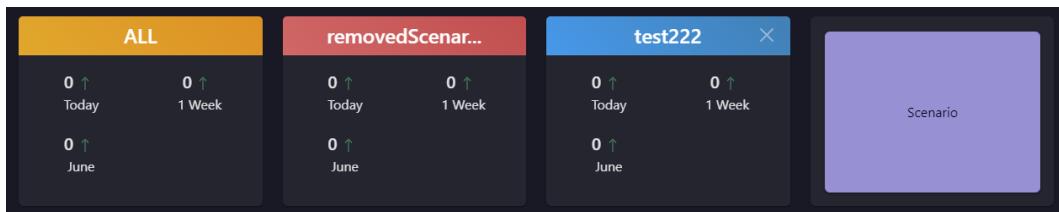


Figure 25: Dashboard communications by scenarios - selected 4 types of errors in filter with the possibility of adding a new type

4 Communications

The screen 26 shows all communications.

The screenshot shows the 'Communications' screen in the DoMail user interface. The left sidebar includes links for Dashboard, Communications (selected), Campaigns, Statistics, Configuration, and Administration. The main area has a breadcrumb path 'Home / Communications'. A 'Filter' bar is at the top of the table. The table lists 15 rows of communication data:

	Id	Address	Processing	Delivery	Scenario	Group	Category	Send time
■	1287	lukas...	sk	✉️	✓	ScenarSMTP_Lukas-SMTP		10.05.2023 08:33:21
■	1286	lukas...	sk	✉️	✓	ScenarSMTP_Lukas-SMTP		10.05.2023 08:33:20
■	1285	lukas...	sk	✉️	✓	ScenarSMTP_Lukas-SMTP		10.05.2023 08:33:20
■	1284	lukas...	sk	✉️	✓	ScenarSMTP_Lukas-SMTP		10.05.2023 08:31:12
■	1283	lukas...	sk	✉️	✓	ScenarSMTP_Lukas-SMTP		10.05.2023 08:31:12
■	1282	lukas...	sk	✉️	✓	ScenarSMTP_Lukas-SMTP		10.05.2023 08:31:12
■	1281	lukas...	sk	✉️	✓	ScenarSMTP_Lukas-SMTP		10.05.2023 08:29:34
■	1280	lukas...	sk	✉️	✓	ScenarSMTP_Lukas-SMTP		10.05.2023 08:29:34
■	1279	lukas...	sk	✉️	✓	ScenarSMTP_Lukas-SMTP		10.05.2023 08:29:34
■	1278	lukas...	sk	✉️	✓	DefaultForSMTP		10.05.2023 08:24:38
■	1277	lukas...	sk	✉️	✓	DefaultForSMTP		10.05.2023 08:24:38
■	1276	lukas...	sk	✉️	✓	DefaultForSMTP		10.05.2023 08:24:38
■	1275	lukas...	sk	✉️	✓	DefaultForSMTP		10.05.2023 08:24:37

Figure 26: Communications screen

The table allows sorting according to each column in the table, group actions over individual communications or expanding expanding information about communications (on the picture 27).

The screenshot shows the 'Communications' screen with the 'Filter' bar. A specific row for communication ID 1287 is selected. An expanded view shows detailed information:

- Address: lukas...
- Channel: SMTP
- Instance: NONE
- Receive time: 10.05.2023 08:33:21
- Processed time: 10.05.2023 08:33:21

Below this, the full list of communications is shown again, including the selected row.

Figure 27: Communications screen - extend detail info about selected communication

Button Refresh (28) is used to refresh the currently loaded table.



Figure 28: Communications screen - button Refresh

In the next picture 29 you can see the option to select to do more communication

	Communications						Actions		
	Filter		Id	Address	Processing	Delivery	Scenario	Group	Category
<input checked="" type="checkbox"/>	1287	lukas.	lukas.	lukas.	sk	✉	ScenarSMTP_Lukas-SMTP		10.05.2023 08:33:21
<input checked="" type="checkbox"/>	1286	lukas.	lukas.	lukas.	sk	✉	ScenarSMTP_Lukas-SMTP		10.05.2023 08:33:20
<input checked="" type="checkbox"/>	1285	lukas.	lukas.	lukas.	sk	✉	ScenarSMTP_Lukas-SMTP		10.05.2023 08:33:20
<input checked="" type="checkbox"/>	1284	lukas.	lukas.	lukas.	sk	✉	ScenarSMTP_Lukas-SMTP		10.05.2023 08:31:12
<input checked="" type="checkbox"/>	1283	lukas.	lukas.	lukas.	sk	✉	ScenarSMTP_Lukas-SMTP		10.05.2023 08:31:12
<input checked="" type="checkbox"/>	1282	lukas.	lukas.	lukas.	sk	✉	ScenarSMTP_Lukas-SMTP		10.05.2023 08:31:12
<input checked="" type="checkbox"/>	1281	lukas.	lukas.	lukas.	sk	✉	ScenarSMTP_Lukas-SMTP		10.05.2023 08:29:34
<input checked="" type="checkbox"/>	1280	lukas.	lukas.	lukas.	sk	✉	ScenarSMTP_Lukas-SMTP		10.05.2023 08:29:34

Figure 29: Communications screen with selected rows

The following menu in the picture 30 offers several actions for group selection of communications in the table.

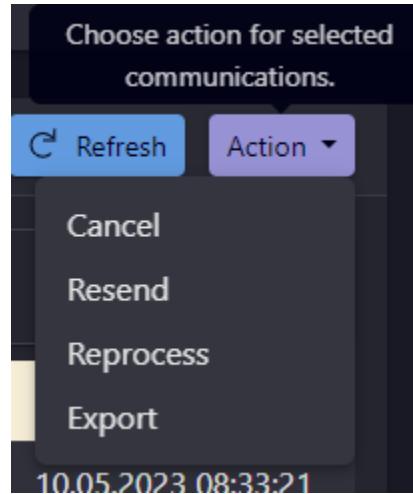


Figure 30: Communications screen - button Action with list of actions in menu

Actions for group selection:

1. cancel
2. resend

3. reprocess
4. export

4.1 Communication states

The Communication states are:

- 2 - RECEIVED
- 3 - COMPLETED
- 4 - FAILED
- 6 - DUPLICATE
- 7 - COAR_ARCHIVED
- 8 - PROCESSING
- 9 - BLACKLISTED
- 10 - DISPATCHING
- 11 - DISPATCHED
- 12 - DISPATCH ERROR
- 13 - CANCELED
- 15 - DELIVERY FAILED
- 16 - DELIVERY_NONE
- 17 - DELIVERY_UNKNOWN
- 18 - DELIVERY_CONFIRMED!
- 20 - DELIVERY_AMBIGUOUS
- 21 - ARCHIVING
- 22 - COAR_ARCH_FAILED

4.2 Filter

The screenshot shows the DoMail user interface for the Communications module. At the top, there's a navigation bar with links for Dashboard, Communications (selected), Campaigns, Statistics, Configuration, and Administration. Below the navigation is a search bar and a user profile for 'coaraaa Administrator'. The main area is titled 'Communications' and contains a 'Filter' section with tabs for Header, Address, Log, and Tag. The Header tab is active, showing fields for Id, Channel, Group, Operation, Instance, Delivery state, External ID, Scenario, Category, System ID, Status, Send time, From, and To, along with date range buttons for Today, Last two days, and Last week. Below the filter is a table listing six communication entries. Each entry includes a checkbox, an ID (e.g., 1287, 1286, 1285, 1284, 1283, 1282), an arrow icon, an address (lukas.), a processing status (r.sk), a delivery status (green square), a checked checkbox, a scenario name (ScenarSMTP_Lukas-SMTP), and a send time (e.g., 10.05.2023 08:33:21). The table has columns for Id, Address, Processing, Delivery, Scenario, Group, Category, and Send time.

	Id	Address	Processing	Delivery	Scenario	Group	Category	Send time
<input type="checkbox"/>	1287	lukas.	r.sk	green square	ScenarSMTP_Lukas-SMTP			10.05.2023 08:33:21
<input type="checkbox"/>	1286	lukas.	r.sk	green square	ScenarSMTP_Lukas-SMTP			10.05.2023 08:33:20
<input type="checkbox"/>	1285	lukas.	r.sk	green square	ScenarSMTP_Lukas-SMTP			10.05.2023 08:33:20
<input type="checkbox"/>	1284	lukas.	r.sk	green square	ScenarSMTP_Lukas-SMTP			10.05.2023 08:31:12
<input type="checkbox"/>	1283	lukas.	r.sk	green square	ScenarSMTP_Lukas-SMTP			10.05.2023 08:31:12
<input type="checkbox"/>	1282	lukas.	r.sk	green square	ScenarSMTP_Lukas-SMTP			10.05.2023 08:31:12

Figure 31: Communications screen with tab filter

Filtering of loaded communications is divided into the 4 parts:

1. Header
2. Address
3. Log
4. Tag

4.2.1 Header

The filter allows you to enter e.g. specific communication ID, channel, status or external ID or system ID. Of course also the date of dispatch from - to.

Id	Id	External ID	External ID
Channel	Channel	Scenario	Scenario
Group	Group	Category	Category
Operation	Operation	System ID	System ID
Instance	Instance	Status	Status
Delivery state	Delivery state	Send time	From → To
Today Last two days Last week			

Figure 32: Communications screen tab Header in filter

4.2.2 Address

The filter allows you to enter e.g. address, name and state.

Address	Address	Name	Name
State	State		

Figure 33: Communications screen tab Address in filter

4.2.3 Log

The filter allows you to enter e.g. origin, level or message.

Origin	Origin	Level	Level
Message	Message		

Figure 34: Communications screen tab Log in filter

4.2.4 Tag

The filter allows you to enter tag.

Tag	Tag	
-----	-----	--

Figure 35: Communications screen tab Tag in filter

4.3 Menu action - Cancel

The email can be canceled if it is in the state: RECEIVED, PROCESSING, COMPLETE, DISPATCHING.

4.4 Menu action - Resend

The sent email can be forward again via the action 'Resend'. The resent email will be created and the icon 'Multiple Runs' will be added to the line of the selected communication - number 1 in the picture 36. The numbers 2 and 3 in the picture 36 (2 icons) indicates that the given communication is in the state 'Created' .

	Id	Address	Processing	Delivery	Scenario	Group	Category	Send time
■	1287	lukas	OK	OK	ScenarSMTP_Lukas-SMTP			10.05.2023 08:33:21

Addresses: lukas...sk, lukas...sk
Channel: SMTP
Instance: NONE
Receive time: 10.05.2023 08:33:21
Processed time: 10.05.2023 08:33:21

Figure 36: Communications - action resend - before

After the email is forwarded and successfully sent, the status is changed to DISPATCHED - picture 37.

	Id	Address	Processing	Delivery	Scenario	Group	Category	Send time
■	1287	lukas	OK	OK	ScenarSMTP_Lukas-SMTP			10.05.2023 08:33:21

Addresses: lukas...sk, lukas...sk
Channel: SMTP
Instance: NONE
Receive time: 10.05.2023 08:33:21
Processed time: 10.05.2023 08:33:21

Figure 37: Communications - action resend - after

In the picture 38, you can see when the individual sends were made.

RunID	No.	Message ID	Address	Name	State	Delivery state	Sent time	Action
1	1	domic.1287.1.1.1068630103.13.1683707601649@...	lukas...sk	lukas...	Dispatched	Unknown	10.05.2023 08:33:22	Action
2	1	domic.1287.1.2.1333629930.0.1684480379243@...	lukas...sk	lukas...	Dispatched	Unknown	19.05.2023 07:13:02	Action

Items per page: 100

Refresh Cancel

Figure 38: Communications - action resend - result

The email can be forwarded if it is in the state: COMPLETE, DISPATCHED, DISPATCH_ERROR, DISPATCHING (more precisely, there must be an email in the communication that is in that state, the email for each address is considered the same except for some small things like a track pixel).

4.5 Menu action - Reprocess

Action 'Reprocess' allows to start the complete sending process from again.

Email can be processed repeatedly if it is in the following state: CANCELLED, COMPLETE, FAILED, BLACKLISTED, DISPATCHING, DISPATCH_ERROR, DISPATCHED.

Difference between 'Resend' and Reprocess action. Action 'Resend' only takes the generated email and sends it to another TO address. Action 'Reprocess' generates the entire email for this TO address again. New generation can mean a lot of things if the scenario, script or template that was used during generation has changed

4.6 Menu action - Export

Action 'Export' enables the export of selected communications to an export file.

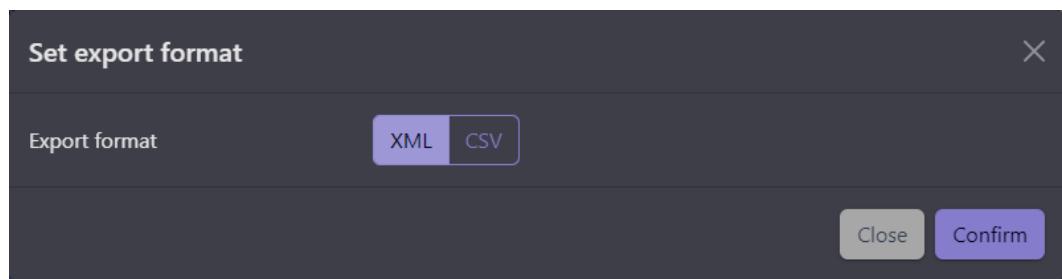


Figure 39: Communications - action export

In the picture 40 is structure the exported CSV file.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Email - ID	Email - Ad Email - M	Email - Do Email - Č	Email - Sti Email - Sti	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Komuniká	Scénár - IC Skript - ID		
2	1285-1-1	lukas.	+domail-	:	#####	DISPATCH DELIVERY	1285			ScenarSM	NONE	2023-05-11	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	1047	888		
3	1286-1-1	lukas.	+domail-	:	#####	DISPATCH DELIVERY	1286			ScenarSM	NONE	2023-05-11	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	1047	888		
4																						

Figure 40: Communications - action export - CSV file

In the picture 41 is structure the exported XML file.

```
1  ?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2  <communicationsWrapper>
3  |  <communicationWrapper>
4  |  |  <communication>
5  |  |  |  <id>1286</id>
6  |  |  |  <extId></extId>
7  |  |  |  <scenario>ScenarSMTP_Lukas-SMTP</scenario>
8  |  |  |  <category></category>
9  |  |  |  <group></group>
10 |  |  |  <country>NONE</country>
11 |  |  |  <sendTime>2023-05-10T08:33:20.890</sendTime>
12 |  |  |  <duplicity>false</duplicity>
13 |  |  |  <priority>false</priority>
14 |  |  |  <testMode>false</testMode>
15 |  |  |  <status>DISPATCHED</status>
16 |  |  |  <divStatus>DELIVERY_UNKNOWN</divStatus>
17 |  |  |  <cScenario>
18 |  |  |  |  <id>1047</id>
19 |  |  |  |  <scenario></scenario>
20 |  |  |  |  <category></category>
21 |  |  |  |  <description></description>
22 |  |  |  |  <createdDate><createdDate>
23 |  |  |  |  <createdBy><createdBy>
24 |  |  |  |  <changedDate><changedDate>
25 |  |  |  |  <changedBy><changedBy>
26 |  |  |  </cScenario>
27 |  |  |  <process>
28 |  |  |  |  <id>888</id>
29 |  |  |  |  <name>Lukas-SMTP</name>
30 |  |  |  |  <description>Default script to use for requests received via SMTP. Will process request by default based on scenario parameters!</description>
31 |  |  |  |  <createdDate>2023-05-10T08:32:14.238Z</createdDate>
32 |  |  |  |  <changedDate>2023-05-10T08:32:46.147Z</changedDate>
33 |  |  |  </process>
34 |  |  |  <createdDate><createdDate>
35 |  |  |  <createdBy><createdBy>
36 |  |  |  <changedDate><changedDate>
37 |  |  |  </communication>
38 |  |  <commAddress>
39 |  |  |  <contact>lukas.dominanz.sk</contact>
40 |  |  |  <detail>dominanz.sk</detail>
41 |  |  |  <id>1</id>
42 |  |  |  <name>Lukas</name>
43 |  |  |  <sendTime>2023-05-10T08:33:22.003Z</sendTime>
44 |  |  |  <status>DISPATCHED</status>
45 |  |  |  <type>Email</type>
46 |  |  |  </commAddress>
47 |  |  </communicationWrapper>
48 |  </communicationsWrapper>
49
```

Figure 41: Communications - action export - XML file

5 Campaigns

On the next screen 42 you will find the screen where campaigns are managed. Using the button 'Add campaign' it is possible to add a new campaign. Campaigns are used for scheduled sending of pre-prepared emails.

Figure 42: Campaigns screen

5.1 Add campaign

On the next screen 43 you can see the first step of campaign creation. Mandatory data is the name of the campaign, date, time of sending the emails and of course the selection of the scenario with the template according to which the email will be sent.

Figure 43: Add campaign

After entering the data and clicking on the 'Save' button, the campaign will be created and it is necessary to add more data, which are described in the following section in the 'Campaign detail'.

5.2 Campaign detail

This part shows the details of the campaign. It is divided into 3 parts:

- General data
- Source data
- History

5.2.1 General data

The following screen 44 shows the campaign detail.

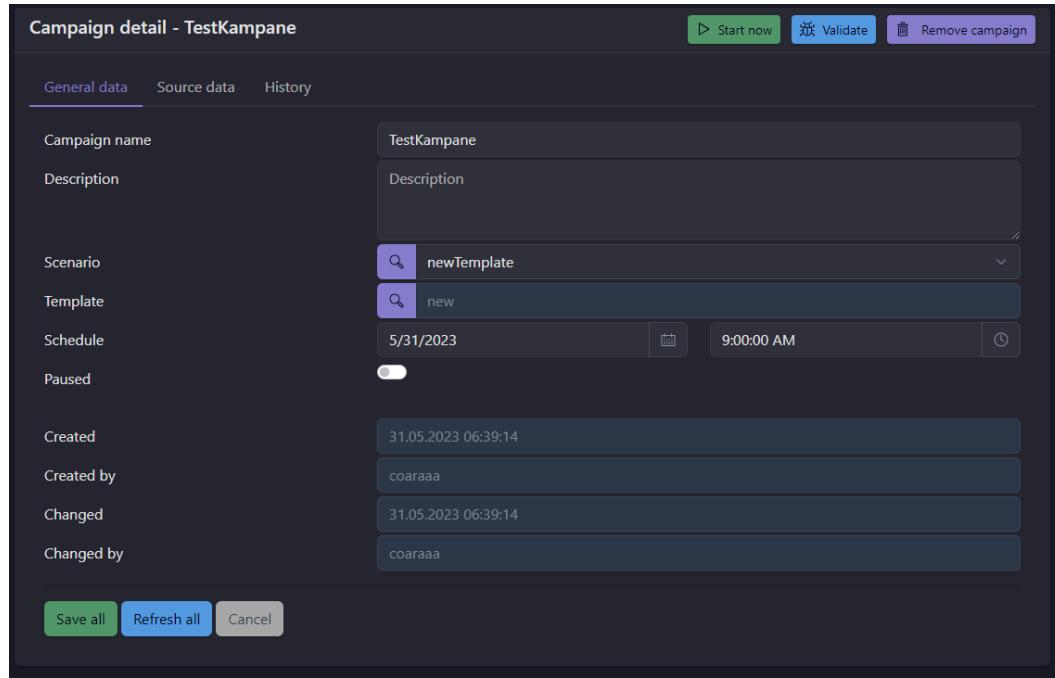


Figure 44: Detail of new campaign - general data

On the screen you can use the 'Remove campaign' button to remove the campaign. The next button 'Validate' is to validate the whole campaign and the last button 'Start now' is used to start processing immediately.

5.2.2 Source data

In the second tab 'Source data' (picture 45) you can find 'Main source', which are needed for processing when sending the campaign.

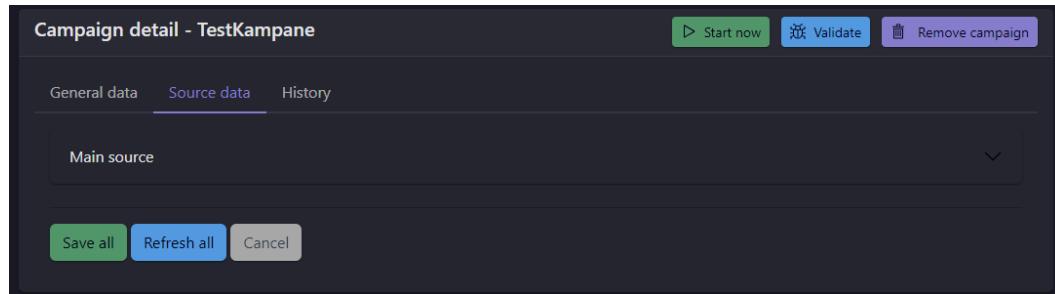


Figure 45: Detail of new campaign - source data 1

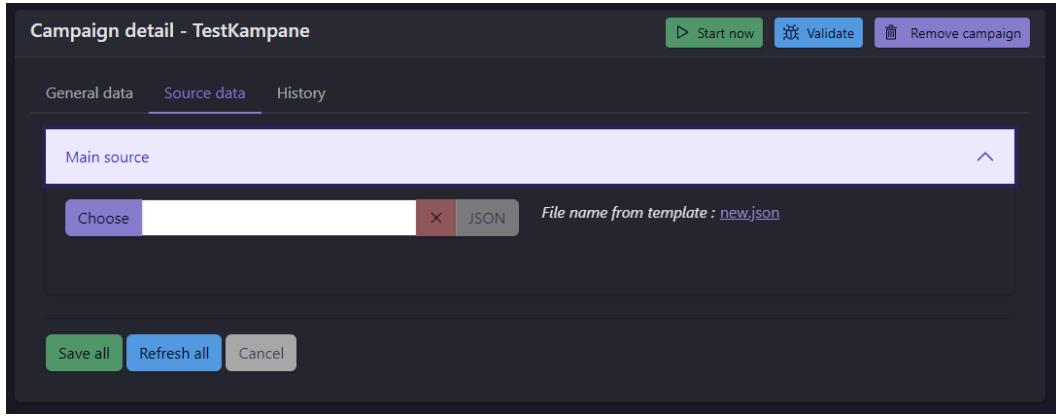


Figure 46: Detail of new campaign - source data 2

After loading and validating the JSON file (Listing 1),then the loaded data is displayed on the screen 47.

```
1 [
2 {
3     "email": "lukas@example.sk",
4     "name": "Lukas V. 1"
5 },
6 {
7     "email": "lukas@example.sk",
8     "name": "Lukas V. 2"
9 }
10 ]
```

Listing 1: JSON example for source data

Main source

Choose data.json X JSON File name from template : new.json

Source data file is valid.

```
[  
  {  
    "email": "lukas...",  
    "name": "Lukas V. 1"  
  },  
  {  
    "email": "lukas...",  
    "name": "Lukas V. 2"  
  }]
```

Figure 47: Detail of new campaign - source data 3

5.2.3 History

The following screen 48 shows the processing history of the campaign.

Campaign detail - TestKampane

Start now Validate Remove campaign

General data Source data History

Processed Started by State

No records found

Items per page 10

Cancel

Figure 48: Detail of new campaign - history

6 Statistics

The statistics screen provides a clear graphical display of the processing of outgoing communications. Groups by parameters are clickable for a deeper view of the group. Functions available from the screen:

- Filter to search by different parameters
- Delve into lower levels of groups
- View groups, view totals for groups

6.1 Filter

As we defined in section 4.2, the filter allows you to enter e.g. specific communication ID, channel, status or external ID or system ID. Of course also the date of dispatch from - to... Other filter tabs are also described there.

The screenshot shows the 'Statistics' screen in the DoMail user interface. On the left, a dark sidebar menu includes 'Dashboard', 'Communications', 'Campaigns', 'Statistics' (which is currently selected), 'Configuration', and 'Administration'. The main area has a title 'Statistics' and a sub-section 'Filter'. The 'Filter' tab is active, showing several input fields grouped into two columns. The first column contains fields for 'Id', 'Channel', 'Group', 'Operation', 'Instance', and 'Delivery state'. The second column contains fields for 'External ID', 'Scenario', 'Category', 'System ID', 'Status', and 'Send time'. Below these fields is a date range selector with options 'Today', 'Last two days', and 'Last week'. At the bottom of the filter panel are 'Search' and 'Reset' buttons. The top right corner of the main window shows the user's name 'coarnaa' and 'Administrator'.

Figure 49: Statistics screen - filter

6.2 Group by

The resulting graphs can be grouped by

1. runs
2. scenarios
3. groups
4. tags
5. addresses

6.2.1 Group by runs

If we choose group by 'Runs', we will see the following graphs (50).

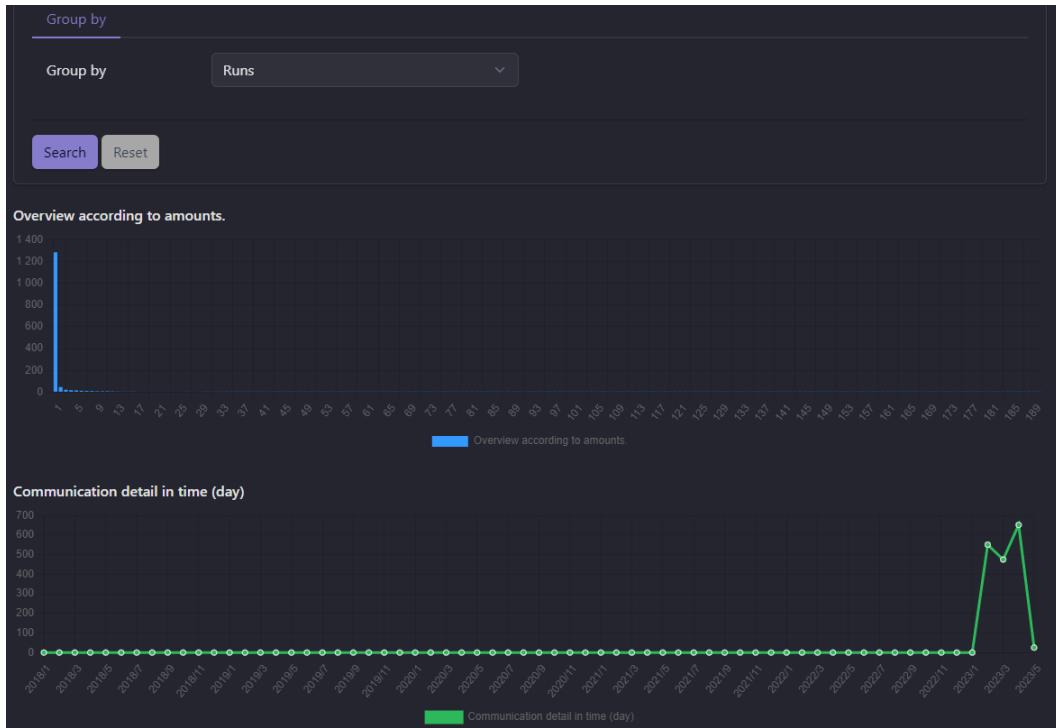


Figure 50: Statistics - Group by runs

In the picture 51 - the number of the run is on the x-axis. On the Y-axis is the number of runs.

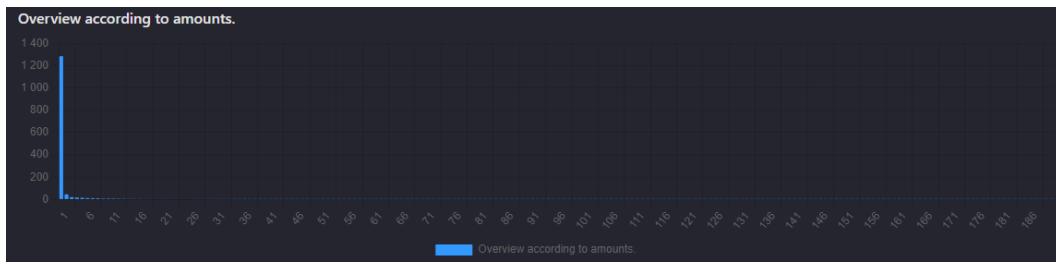


Figure 51: Statistics - Overview according to amounts.

In the picture 52 is the number of communications in time.



Figure 52: Statistics - Communication detail in time (day).

In the next part (picture 53) there are 2 graphs. In the left graph (Overview of system statuses) are divided communications according to the state of sending the communications. In the second graph (Overview of delivery statuses) are divided communications according to the delivery state.



Figure 53: Statistics screen - Overview of system statuses/Overview of delivery statuses.

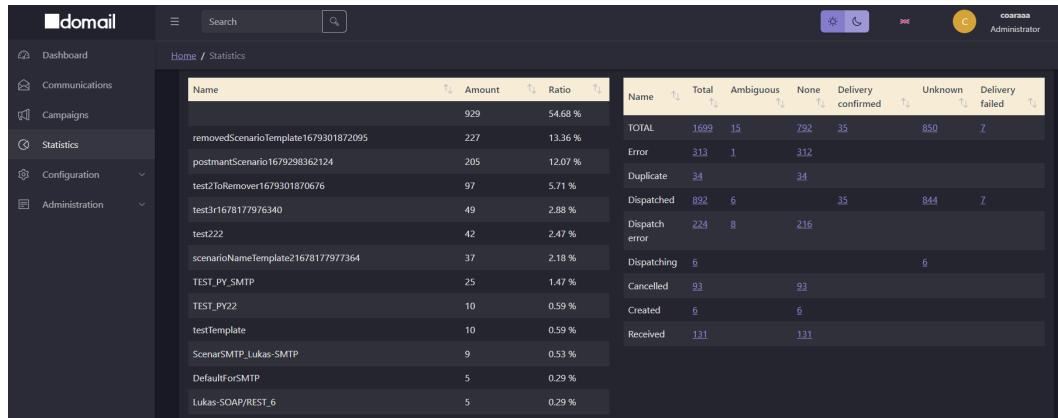


Figure 54: Statistics screen - tables.

6.2.2 Group by scenarios

If we choose group by 'Scenarios', we will see the following graphs (55).

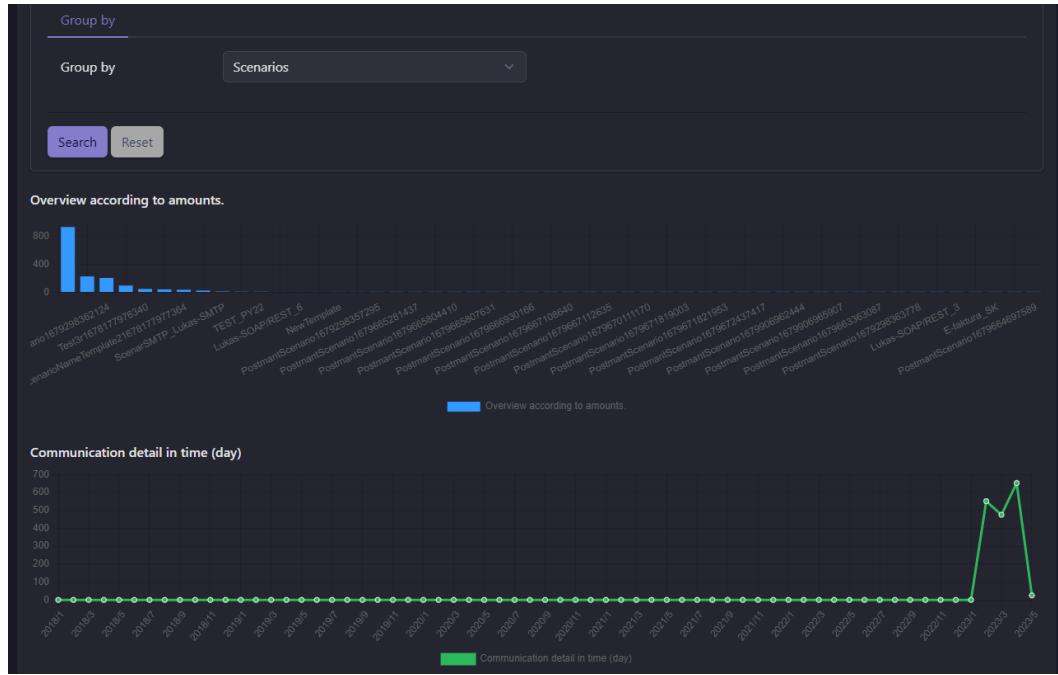


Figure 55: Statistics - Group by scenarios

In the picture 56 - the number of the run is on the x-axis. On the Y-axis is the number of runs.

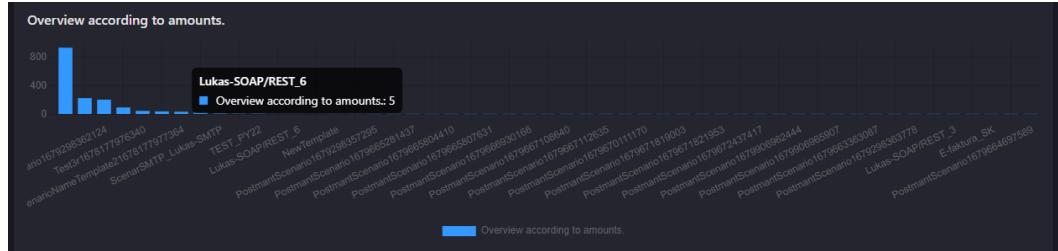


Figure 56: Statistics - Group by scenarios - Overview according to amounts.

In the picture 57 is the number of communications in time.



Figure 57: Statistics - Group by scenarios - Communication detail in time.

6.2.3 Group by groups

If we choose group by 'Groups', we will see the following graphs (58).



Figure 58: Statistics - Group by groups

In the picture 59 - the number of the run is on the x-axis. On the Y-axis is the number of runs.



Figure 59: Statistics - Group by groups - Overview according to amounts.

In the picture 60 is the number of communications in time.



Figure 60: Statistics - Group by groups - Communication detail in time.

6.2.4 Group by tags

If we choose group by 'Tags', we will see the following graphs (61).

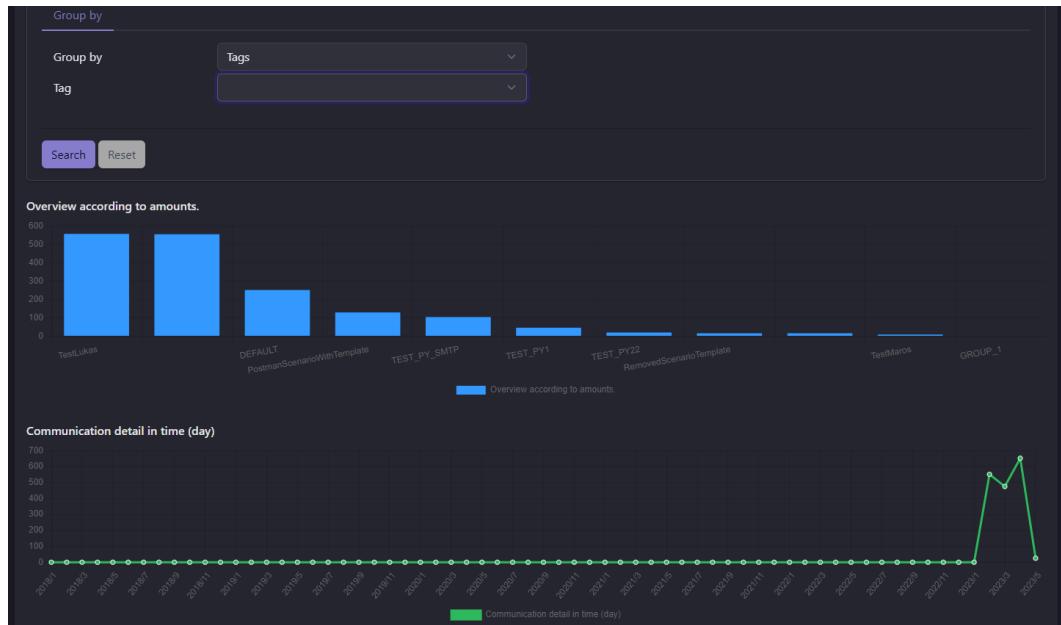


Figure 61: Statistics - Group by tags

In the picture 62 - the number of the run is on the x-axis. On the Y-axis is the number

of runs.



Figure 62: Statistics - Group by tags - Overview according to amounts.

In the picture 63 is the number of communications in time.



Figure 63: Statistics - Group by tags - Communication detail in time.

6.2.5 Group by addresses

If we choose group by 'Addresses', we will see the following graphs (64).

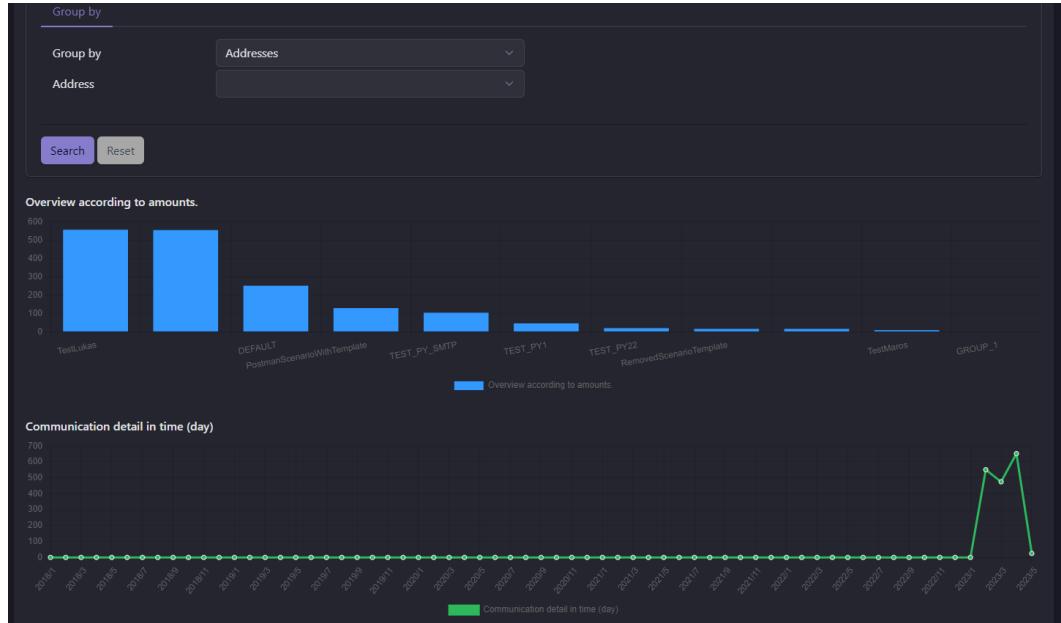


Figure 64: Statistics - Group by addresses

In the picture 65 - the number of the run is on the x-axis. On the Y-axis is the number of runs.



Figure 65: Statistics - Group by addresses - Overview according to amounts.

In the picture 66 is the number of communications in time.



Figure 66: Statistics - Group by addresses - Communication detail in time.

7 Configuration

In 'Configuration', in the 'Scenarios' section, we can view and manage all Scenarios.

7.1 Scenarios

Based on the communication data, a processing scenario is selected. The scenario as the main determines the script to compose the outgoing message. It is possible to set values for various constants for the scenario, which are then used in scripts or further processing.

In the picture 67, a list of scenarios is displayed.

Scenarios			
<input type="text"/> Filter			
Scenario	Enabled	Description	Type
DefaultForSMTP	✓		SMTP
ScenarSMTP Lukas-SMTP	✓		SMTP
testTemplate	✓		SOAP/REST with template
TEST_PY22	✓	pre SCENARIO = TEST_PY22	SOAP/REST
MARTIN_SMTPT	✓	TEST_PY_SMTP	SMTP
newTemplate	✓		SOAP/REST with template
Lukas-SOAP/REST	✓		SOAP/REST
Lukas-SOAP/REST_3	✓		SOAP/REST with template
Lukas-SOAP/REST_6	✓		SOAP/REST
Lukas-SOAP/REST_2	✓		SOAP/REST
Lukas-SOAP/REST_4	✓		SOAP/REST
TEST_PY_SMTP	✓	TEST_PY_SMTP	SMTP
Lukas-SOAP/REST_5	✓		SOAP/REST

Figure 67: Scenarios screen.

In the following picture 68 there is a basic filter that is used to search for scenarios. You can enter the name of the scenario and the type of channel.

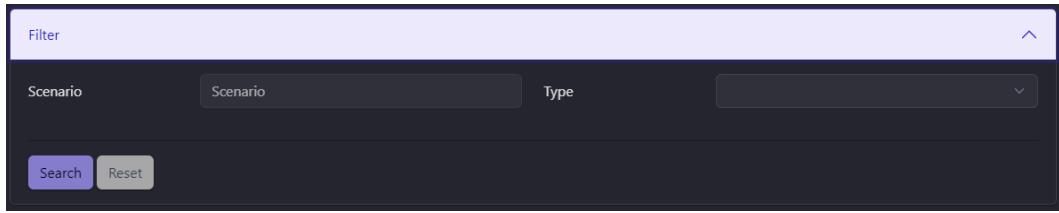


Figure 68: Scenarios screen - filter.

7.1.1 Add new scenario

After clicking the 'Add scenario' button in the picture 67, the following 69 image will be displayed, where there is the first basic screen for adding new scenario.

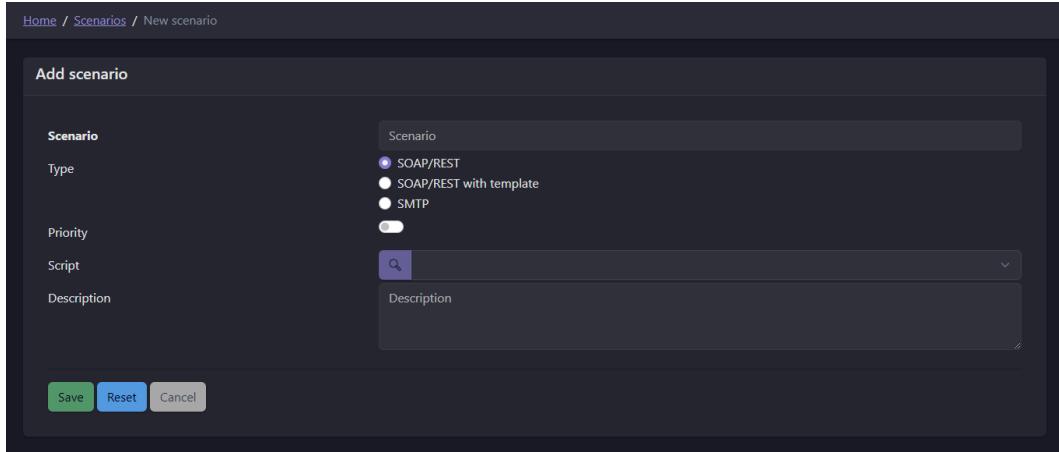


Figure 69: Scenarios screen - add new.

Basic information

When adding a new scenario, it is necessary to fill in all mandatory fields.

The screenshot shows the 'Add scenario' form with the following fields:

- Scenario:** A dropdown menu showing 'AddNewScenario' with a green checkmark.
- Type:** A radio button group where 'SOAP/REST' is selected (indicated by a blue dot).
- Priority:** A dropdown menu with a greyed-out option.
- Script:** An input field containing 'Lukas-script' with a red border and error message: 'Script is required field.'
- Description:** A text area with a green checkmark.

At the bottom are three buttons: 'Save' (green), 'Reset' (blue), and 'Cancel' (grey).

Figure 70: Scenarios screen - add new - required fields.

After creating a new scenario, the new scenario is disabled (71),

The screenshot shows the 'Scenario detail - AddNewScenario' screen with the following details:

- Scenario:** 'AddNewScenario' (disabled, indicated by a grey background).
- Type:** 'SOAP/REST' (disabled).
- Enabled:** A switch is off.
- Priority:** A switch is off.
- Script:** 'Lukas-script' (disabled).
- Description:** An empty text area.
- Created:** '24.05.2023 07:39:33'
- Created by:** 'coaraaa'
- Changed:** '24.05.2023 07:39:33'
- Changed by:** 'coaraaa'

At the top right are 'Duplicate' and 'Remove scenario' buttons. At the bottom are 'Save' (green), 'Restore' (blue), and 'Cancel' (grey) buttons.

Figure 71: Scenarios screen - created of new scenario.

7.1.2 Scenarios - edit

7.1.2.1 Conditions

Next, it is necessary to set the conditions for use, after creation they are set by default (72). It is usually set to FALSE.

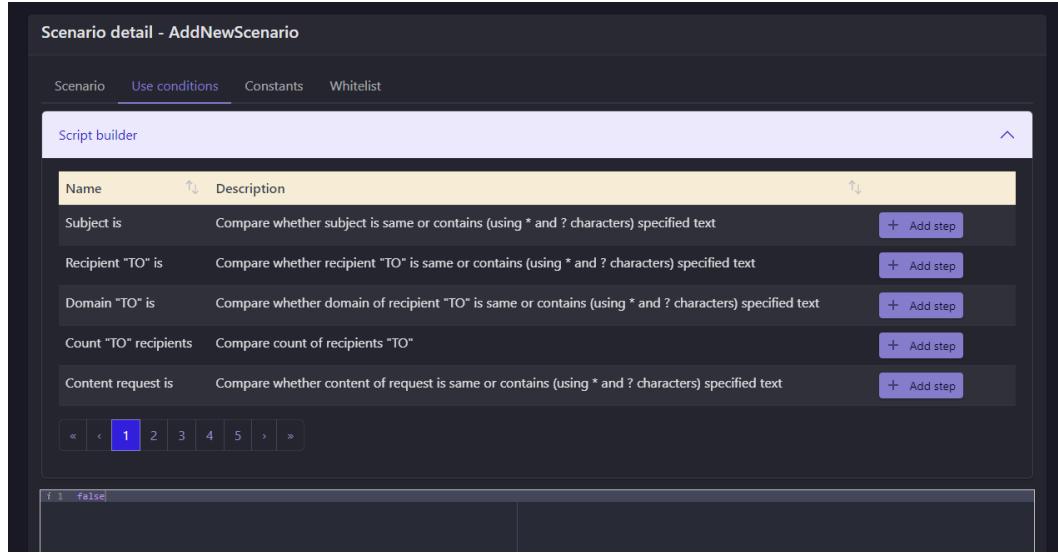


Figure 72: Scenarios screen - created of new scenario - conditions.

When adding/editing a scenario, it is possible to specify the conditions under which the given scenario will be used. A good helper is the table where the Script builder is located. After clicking on 'Add step' in the table, the requested script is added to the new line.

It is also possible to enter the condition manually, the auto complete help also helps with the description (picture 73).

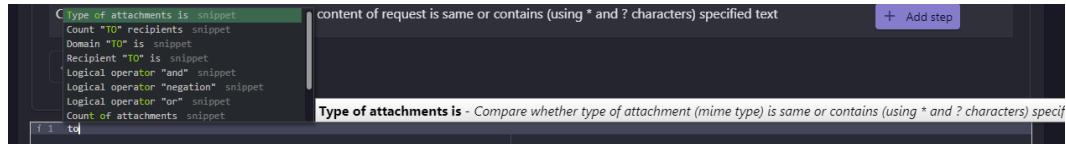


Figure 73: Scenarios screen - created of new scenario - conditions - edit.

7.2 Templates

In the picture 74 is there displayed a list of templates.

Name	Description	Created	Created by	Changed	Changed by
testing		28.02.2023 13:43:59	comictest	10.05.2023 13:15:29	coaraaa
postman1678355080751		09.03.2023 09:44:40	comictest	09.03.2023 10:56:23	comictest
postman1679558134803		23.03.2023 07:30:39	comictest	23.03.2023 07:30:39	comictest
test1679558150194d		23.03.2023 07:30:54	comictest	23.03.2023 07:30:54	comictest
doNotUse1679558314466	test postman	23.03.2023 07:33:38	comictest	23.03.2023 07:33:39	comictest
doNotUse1679558315437	test postman	23.03.2023 07:33:39	comictest	23.03.2023 07:33:40	comictest
new1677232097766		24.02.2023 09:48:18	comictest	24.02.2023 09:48:18	comictest
doNotUse1679558317943		23.03.2023 07:33:42	comictest	23.03.2023 07:33:42	comictest
doNotUse1679558319353	grrgrgr	23.03.2023 07:33:43	comictest	23.03.2023 07:33:43	comictest
new1677232366038		24.02.2023 09:52:46	comictest	24.02.2023 09:52:46	comictest

Figure 74: Template screen

In the following picture 75 there is a basic filter that is used to search for filters. You can enter the name of the template.

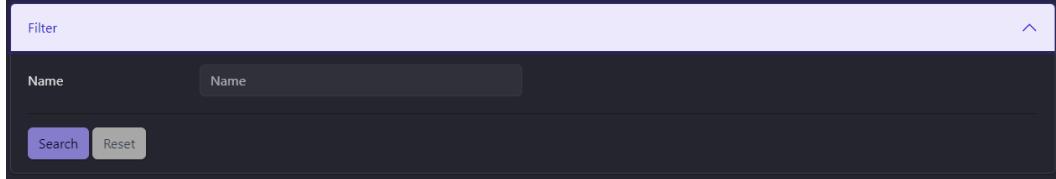


Figure 75: Template - filter

7.2.1 Create new template

After clicking the 'Add template' button in the picture 74, the following 76 image will be displayed, where there is the first basic screen for adding new template.

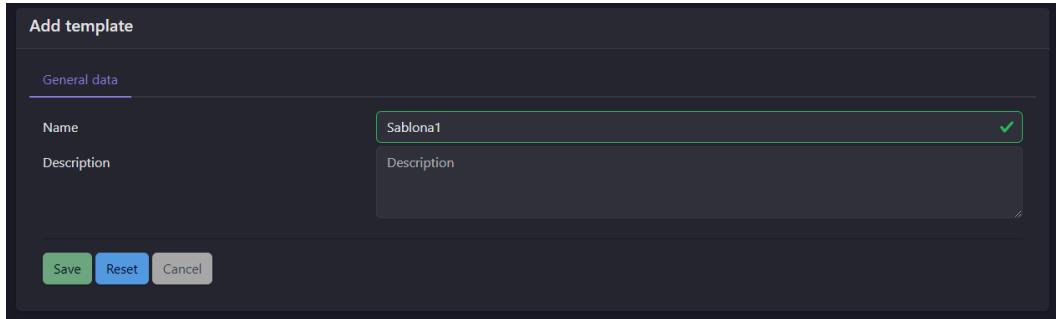


Figure 76: Template - add new

General data

After creation of new template, the following screen will be displayed (77).

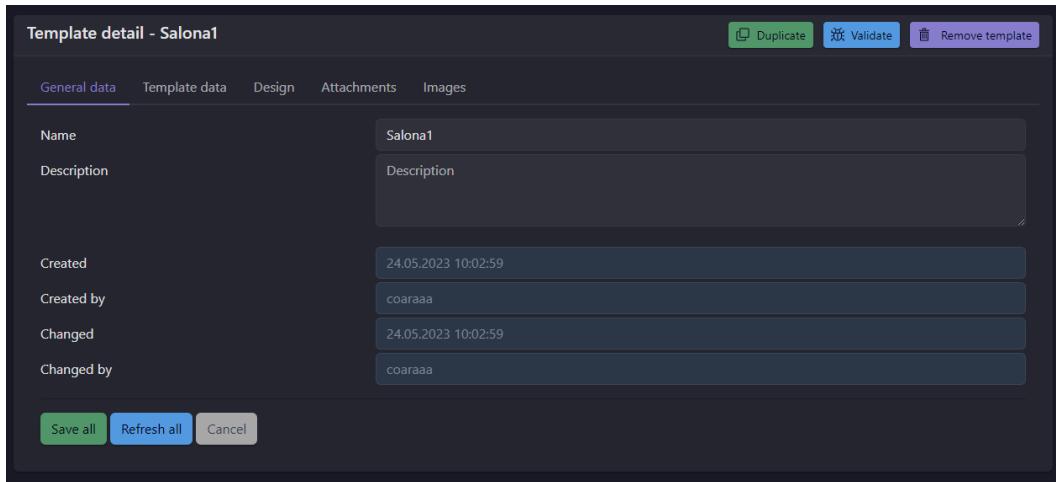


Figure 77: Template - general data

The screen displays basic information about the template, such as the name, description of the template and provides information about the creation time and the last time of modification of the template.

Duplicate

The button 'Duplicate' creates a duplicate template from the current one.

Validate

The button 'Validate' validates the current template is correct and free of errors.

Remove templates

The button 'Remove templates' removes the current template.

Save all

The button 'Save all' saves all unsaved changes.

Refresh all

The button 'Remove templates' will restore all data from the server.

Cancel

The button 'Remove templates' cancels all unsaved changes.

7.2.2 Edit

7.2.2.1 Template data

Data/variables are prepared in the 'Template data' folder, which will be used in the 'Design' folder.

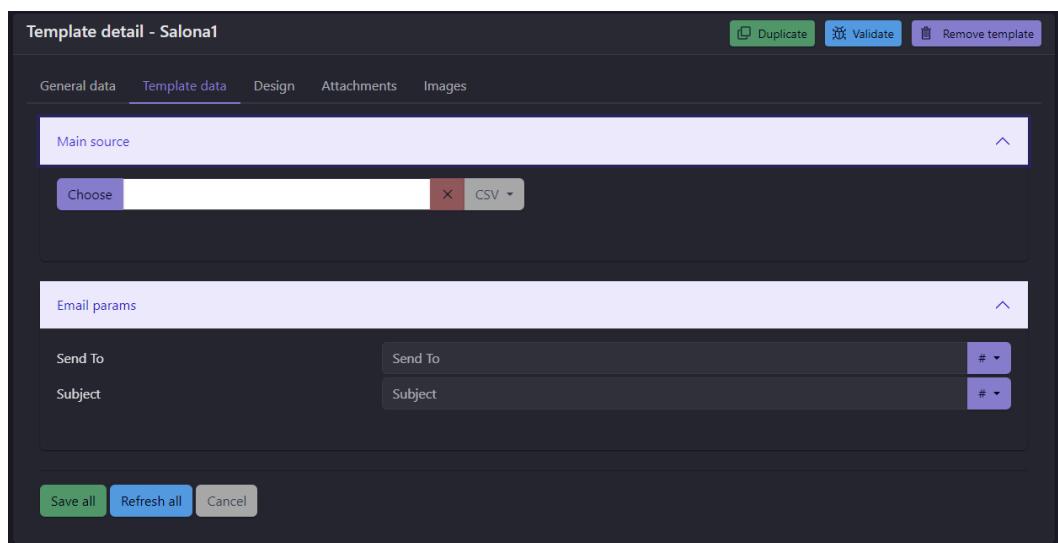


Figure 78: Template - template data

Main source

The data source for the template can be either CSV or JSON.

CSV

In next listening 2, we can see CSV example for import in Main source.

```

1 First name;Last name;Company;Email;
2 Value11;Value12;Value13;Value14;
3 Value21;Value22;Value23;Value24;
4 Value31;Value32;Value33;Value34;
5 Value41;Value42;Value43;Value44;
```

Listing 2: CSV example

After clicking on the button 'Choose', we will load a CSV file.

In the next step 79, it is necessary to set the delimiter, specify the string delimiter and indicate whether the file contains a header and set the flag indicating whether the file contains a header.

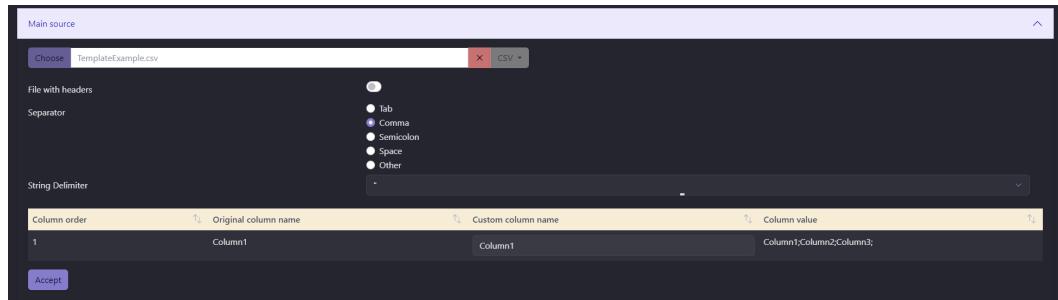


Figure 79: Template - CSV template data - parsing

For the sample CSV file, it is necessary to set that the file contains a header and the delimiter is a semicolon. After successful loading, we will see the data on the screen 80. You will see that 4 new variables have been created, which will be later used in the design (85) or 'Email params' The variable name is taken from the 'Custom column name' column.

Column order	Original column name	Custom column name	Column value	Attachment
1	Column1	First name	Value11	<input type="checkbox"/>
2	Column2	Last name	Value12	<input type="checkbox"/>
3	Column3	Company	Value13	<input type="checkbox"/>
4				<input type="checkbox"/>

Figure 80: Template - CSV template data - loaded

From our sample file, these are the four variables:

- First name
- Last name
- Company
- Email

JSON

In next listening 3, we can see JSON example for import in Main source.

```

1 [ 
2   {
3     "FirstName": "Value11",
4     "LastName": "Value12",
5     "Company": "Value13",
6     "Email" : "email@email.com"

```

```

7   },
8   {
9     "FirstName": "Value21",
10    "LastName": "Value22",
11    "Company": "Company2",
12    "Email" : "emailko@email.sk"
13  }
14 ]

```

Listing 3: JSON example

After clicking on the button 'CHOOSE', we will load a JSON file.

Column order	Original column name	Custom column name	Attachment
1	FirstName	FirstName	<input type="checkbox"/>
2	LastName	LastName	<input type="checkbox"/>
3	Company	Company	<input type="checkbox"/>
4	Email	Email	<input type="checkbox"/>

Figure 81: Template - JSON template data - loaded

From our sample file, these are the four variables:

- First name
- Last name
- Company
- Email

Email params

This section offers the possibility to enter the subject of the message and the list of recipients. We can use variables created from CSV/JSON files.

Send To	\${Email}	# ▾
Subject	Subject	# ▾

Figure 82: Email params in template data

7.2.2.2 Design

In the image 83, you can graphically design an EMAIL template and you can also use variables from the 'Template data' tab .

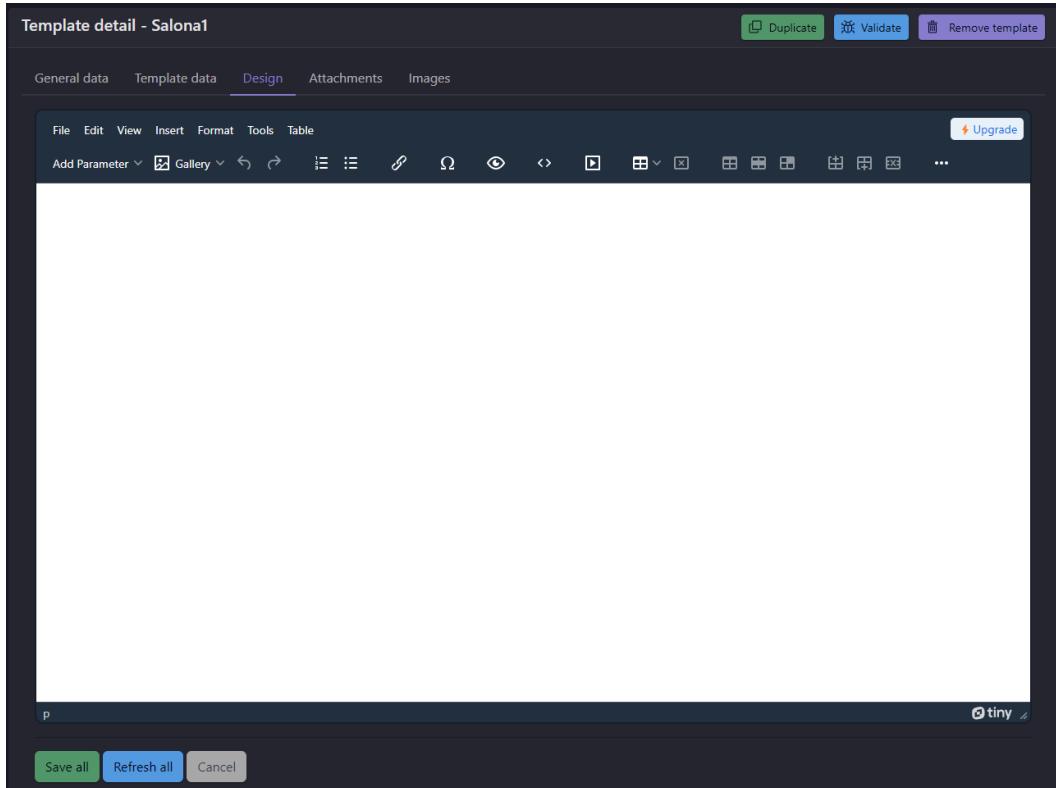


Figure 83: Empty design of template

On the following images 84 and 85, there are examples of how variables/parameters are added to the design.

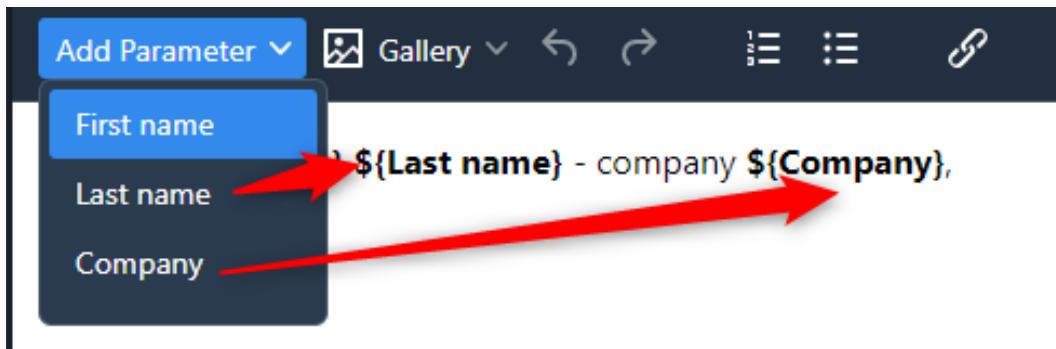


Figure 84: Template - design - use created parameter in template

In the image 85, you can see the resulting design with the used variables.

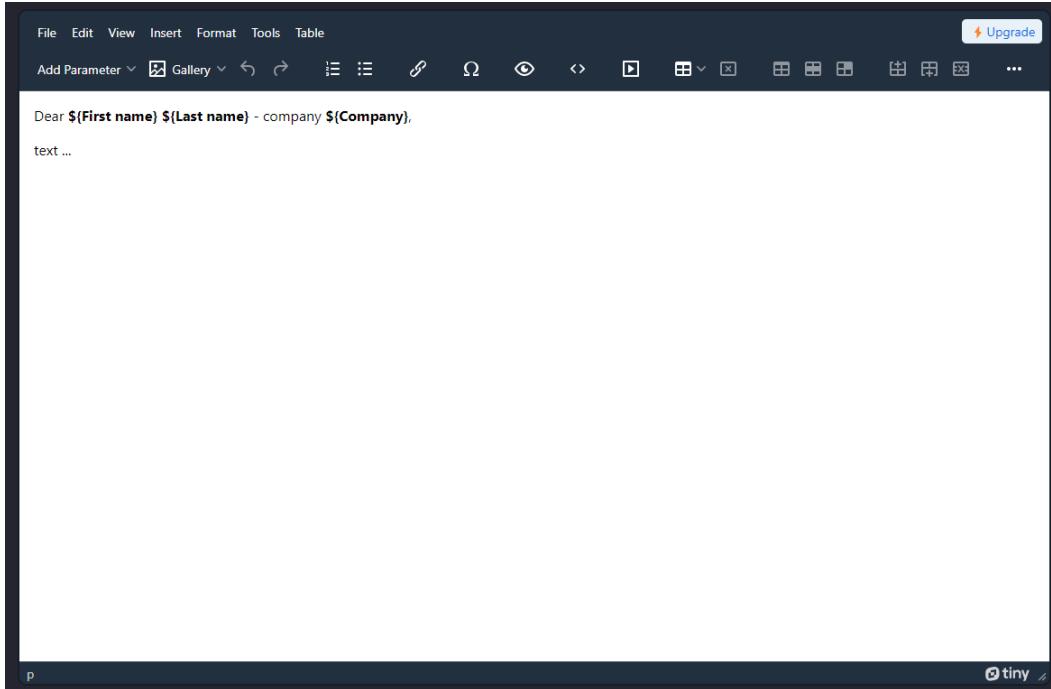


Figure 85: Template - design - used parameters in template

7.2.2.3 Attachments

In this tab (86) are added the attachments and will be send with the email. For example of use could be some general terms and conditions.

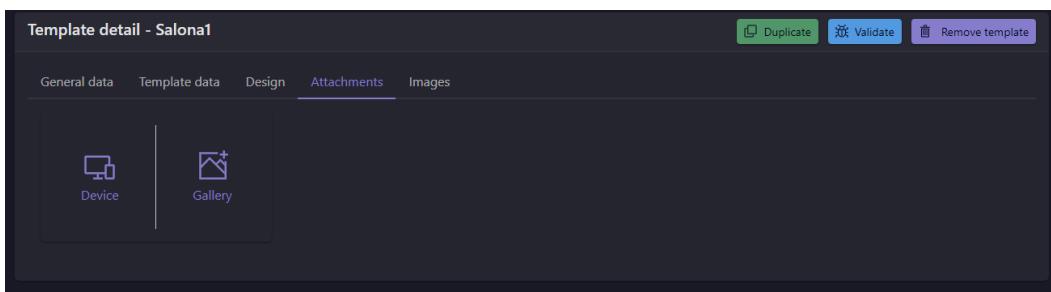


Figure 86: Attachments

In the picture 87 there is loaded attachment.

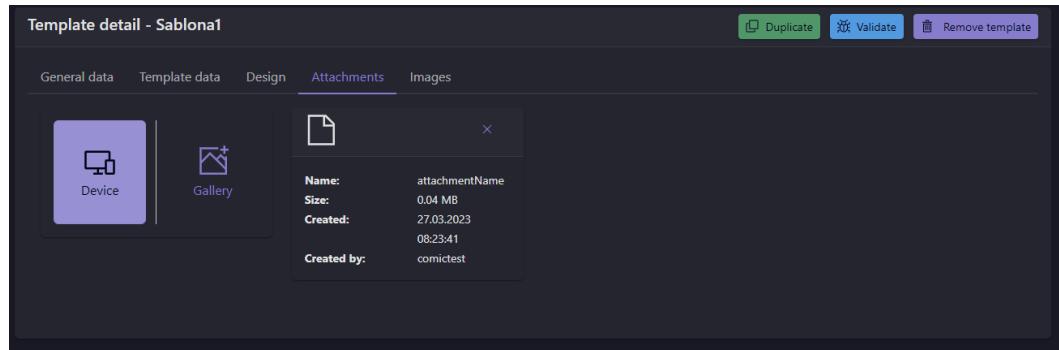


Figure 87: Attachments - loaded attachment

7.2.2.4 Images

In this tab (88) are added the images and will be send with the email.

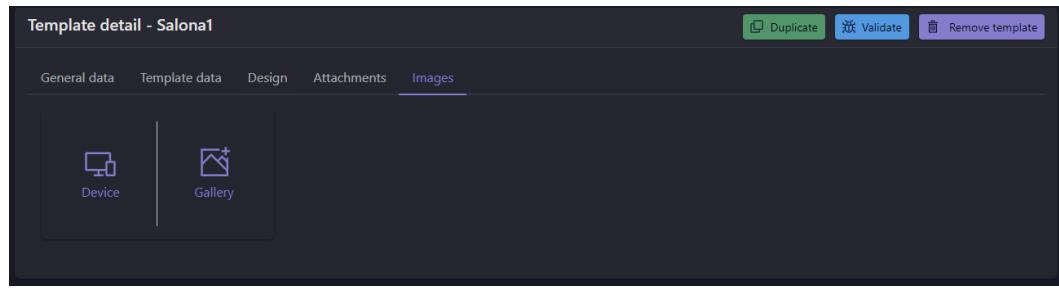


Figure 88: Images

7.3 Scripts

The script is implemented in JavaScript, which provides a wide range of options for processing incoming communication. The task of the script is to compile the MIME/SMS and set the parameters of the message to be sent. The editor provides an inline helper to find the function and a helper to call the function.

In the following picture 89 you can see the list of scripts.

Name	Send email	Save to COAR	Description
Lukas-SMTP	✓	✗	Default script to use for requests received via SMTP. Will process request by default based on scenario parameters!
Default script for requests received via SMTP2	✓	✓	Default script to use for requests received via SMTP. Will process request by default based on scenario parameters!
script	✓	✗	test
Lukas skript pridanie_trackPixel	✓	✗	
Lukas skript pridanie_CC	✓	✗	
test	✓	✗	
Lukas skript pridanie_trackPixel2	✓	✗	
Lukas-script	✓	✗	
Lukas-script2	✓	✗	
Lukas skript pridanie_BCC	✓	✗	

Figure 89: Script - list

7.3.1 Constants

In the following picture 90 you can see the list of constants. Constants can be used in script.

Name	Value	Created	Created by	Changed	Changed by
TEST123	TEST321	24.02.2023 08:37:27	comictest	27.03.2023 08:22:52	comictest

Figure 90: Script - constants

7.3.2 Create new script

On the screen 89 there is an 'Add script' button to add a new script. When clicked the button 'Add script', a screen 91 for creating a new script is displayed, where all required fields must be filled in.

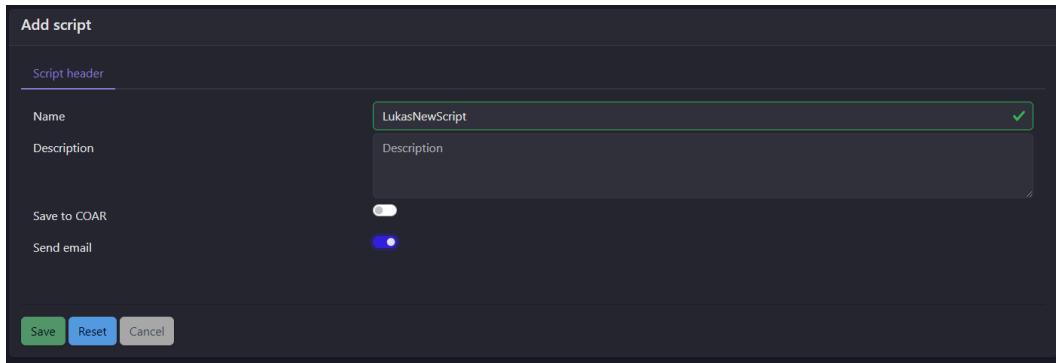


Figure 91: Script - add new

After filling in the script name and description, it is possible to save the script and continue creating. After saving the script, the 'Script header' tab is displayed, see image 92. The tab 'Script header' offers to change the script name, script description and then 2 switches to 'Save to COAR' and 'Send email'.

Switch - Save to COAR - if switch is turned off and this script is used in the communication, the communication is processed, but will not be stored on COAR.

Switch - Send to email - If switch is turned off and this script is used in the communication, the communication is processed and ready, but the email is not sent.

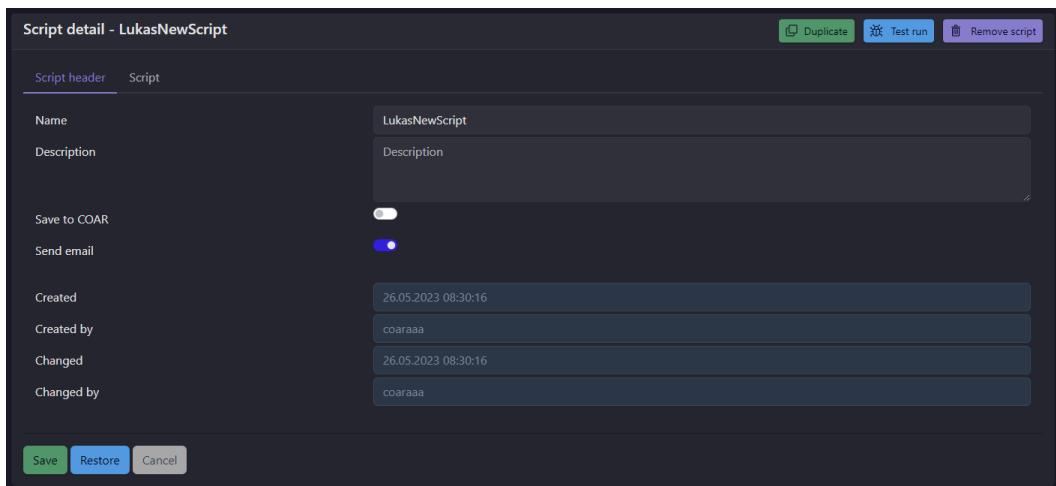


Figure 92: Script - add new - script header

In the following picture 93 there is a 'Script builder' in which it is possible to choose what commands a given script will execute when processing a given communication.

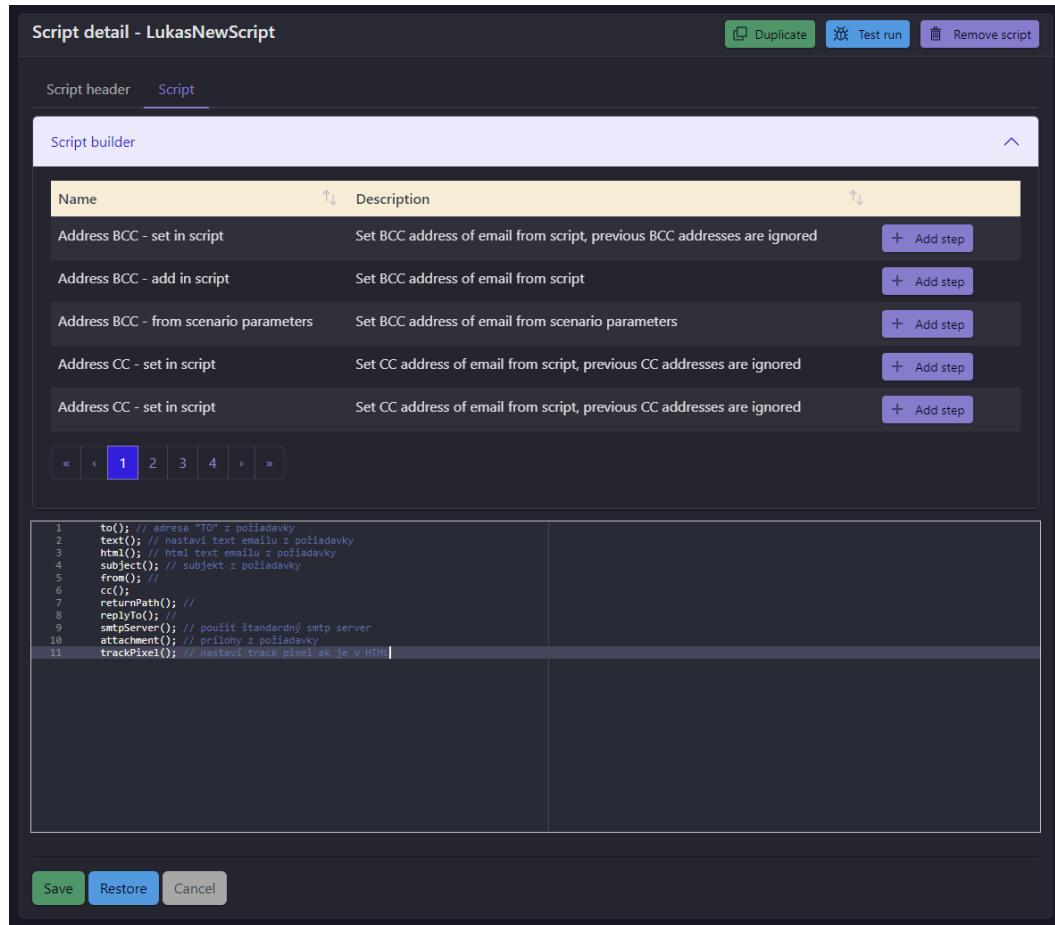


Figure 93: Script - add new - script

In the following image 93 you can find the following script:

```

1  to(); // adresa "TO" z požiadavky
2  text(); // nastaví text emailu z požiadavky
3  html(); // html text emailu z požiadavky
4  subject(); // subjekt z požiadavky
5  from();
6  cc();
7  returnPath();
8  replyTo();
9  smtpServer(); // použiť štandardný smtp server
10 attachment(); // prílohy z požiadavky
11 trackPixel(); // nastaví track pixel ak je v HTML

```

Listing 4: Script example

The given commands are executed if the given script is assigned to some communication. For example, if an email doesn't have a trackPixel, it will add one, etc... Or we can change its Subject or ReplyTo. There are many possibilities. For working in the 'Script builder' there is a table at the top where all the commands we can use are listed, but we can also

write commands manually, where AutoComplete helps.

7.4 Gallery

7.4.1 Images

The screen 94 is used to manage images, which can then be used to create Templates and send emails. The screen contains a basic filter to search by image name.

Thumbnail	Name	Size	Created	Created by
	doMail logo_dark.png	2.21 KB	29.05.2023 06:48:19	coaraaa
	doMail logo.png	2.26 KB	29.05.2023 06:48:58	coaraaa

Figure 94: Images

7.4.2 Attachments

The screen 95 is used to manage attachments, which can then be used to create Templates and send emails. The screen contains a basic filter to search by attachment name.

Name	Size	Created	Created by
readme.txt	18 B	29.05.2023 07:26:35	coaraaa

Figure 95: Attachments

8 Administration

8.1 Users

The screen 96 shows the users of the system. The screen contains a basic filter to search by user name.

Username	Name	Enabled	Type	Email Adress	Roles
coaraaa	coaraaa	✓	ADMIN	[REDACTED]	
coarccc	coarccc	✓	USER	[REDACTED]	
laco	Laco Domin	✓	ADMIN	[REDACTED]	
coarbba	coarbba	✓	USER		read, TestRola-citanie+administracia
comictest	comictest	✓	ADMIN	[REDACTED]	administration, configuration

Figure 96: Users

8.1.1 User detail

In the following image 97 you can see a detail of the system user with the assigned role, which can be changed.

Username	coaraaa
Name	coaraaa
Email Adress	coaraaa@[REDACTED]
User Type	Admin
Roles	Roles
Special Access Rules	+ Add
Enabled	<input checked="" type="checkbox"/>
<input type="button" value="Save"/> <input type="button" value="Restore"/> <input type="button" value="Cancel"/>	

Figure 97: User detail

It is also possible to assign not only the role, but also permissions to a specific scenario, group and category via 'Special Access Rules'. The user can also be blocked via the 'Enabled' switch.

8.2 Roles

In the following image 98 you can manage 'Roles' in the doMail system.

Name	Description	Created	Created by	Changed	Changed by
TestRola-citanie+administracia		05.04.2023 08:39:15	coaraaa	05.04.2023 08:39:15	coaraaa
test_name135729656	this is description	27.03.2023 08:21:15	comictest	27.03.2023 08:21:15	comictest
role_to_remove1679906790504	description	27.03.2023 08:21:15	comictest	27.03.2023 08:21:15	comictest
test_name11679906789664	description	27.03.2023 08:21:14	comictest	27.03.2023 08:21:14	comictest
test_name2oo72961316	description2	27.03.2023 08:21:12	comictest	27.03.2023 08:21:12	comictest
test_name169144792	this is description	24.03.2023 15:12:52	comictest	24.03.2023 15:12:52	comictest
test_name11679672273051	description	24.03.2023 15:12:51	comictest	24.03.2023 15:12:51	comictest
test_name177386497	this is description	24.03.2023 13:46:05	comictest	24.03.2023 13:46:05	comictest
test_name11679667064628	description	24.03.2023 13:46:03	comictest	24.03.2023 13:46:03	comictest
test_name116071076	this is description	24.03.2023 13:27:18	comictest	24.03.2023 13:27:18	comictest

Figure 98: Roles

8.2.1 New Role

In the following image 99 you can create new role - button 'Add role'.

Figure 99: Roles - New role

In the following image 100 you can assign permissions to a specific scenario, group and category via 'Special Access Rules'.

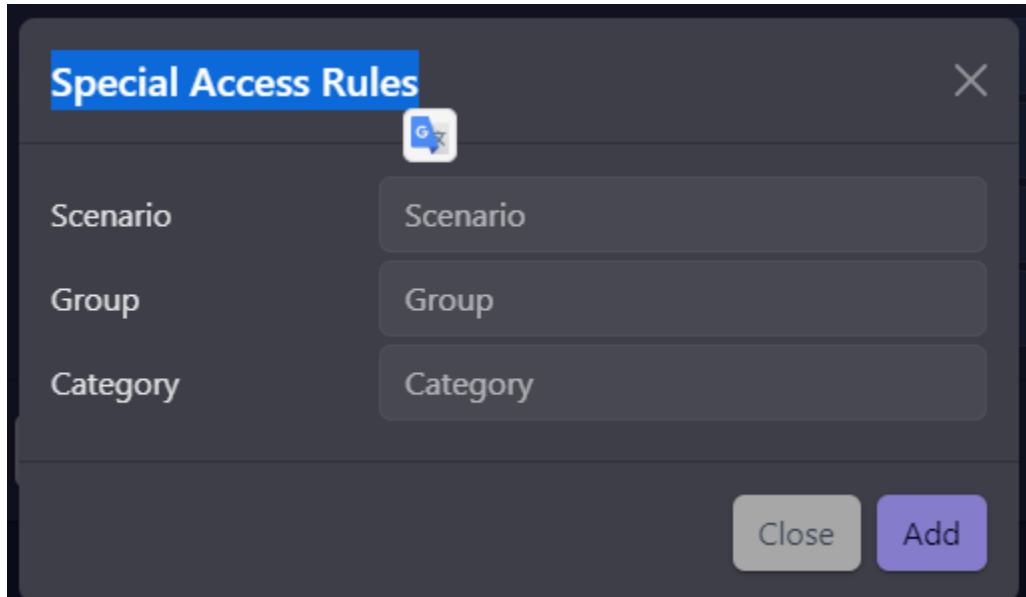


Figure 100: Roles - New role - special access rules

8.2.2 Role detail

In the following image 101 you can see role detail. You can change this role, for example you can change name, description, roles and special access rules. You can delete the role via the button 'Delete role'.

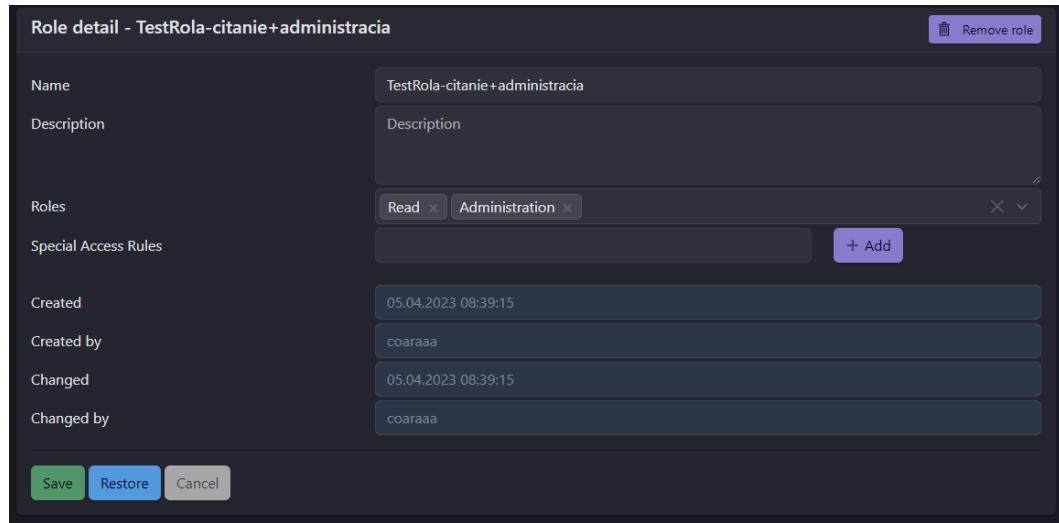


Figure 101: Roles detail

8.3 Monitoring

This page shows a basic overview of how the doMail server works. It is divided into several parts.

8.3.1 Services

The following image 102 shows a list of services running in the background. Individual services of the doMail server can be stopped and possibly started.

Monitoring			
		Active	Status
Service name	Active	Status	
Domail_input-ws.service	✓	Running	
Domail_ui-rest.service	✓	Running	
Domail_mime-proc.service	✓	Running	
Domail_mail-sender.service	✓	Running	
Domail_COAR-arch.service	✓	Running	
Domail_input-smtp.service	✓	Running	
Domail_mail-tracker.service	✓	Auto-restart	
Domail_activeMQ.service	✓	Running	
Domail_trackpixel.service	✓	Running	

Figure 102: Monitoring - services

8.3.2 Queues

The following image 103 shows a list of queues running in the ActiveMQ. Individual queues can be cleared via the button 'Purge pending messages'.

Monitoring		
Services	Queues	
	Queue name	Pending messages
	COM_IXOSARCH	
	COM_NOTIF	2
	COM_MAIL_priority	1
	COM_COARARCH	1
	COM_MAIL_normal	2
	COM_IN_priority	1
	COM_IN_normal	2
	Domic.COM_notif	

Figure 103: Monitoring - queues

8.4 Blacklist

The doMail system includes the functionality to block certain addresses that are specified in the blacklist. The following image 104 shows a list of blocked email address. Adding another entry to the blacklist is realized on the server side.

Blacklist						
Filter						
	Email Adress	Inserted	Actively blocked	Reason	Critical errors	Total errors
No records found						
Items per page						100

Figure 104: Blacklist

8.5 Whitelist

The following image 105 shows a list of allowed email addresses. Whitelist is a list of addresses to which you will be allowed to send email. This means that if Whitelist is enabled and the email address is not in the list, the email will not be sent.

Whitelist						
+ Add whitelist item						
<i>Whitelist is not active. To turn it on, please set property 'app.whitelist.global.active' to true in settings.</i>						
Filter						
Recipient	Enabled	Created	Created by	Changed	Changed by	
admin@admin.sk	<input checked="" type="checkbox"/>	07.03.2023 08:10:29	comictest	27.03.2023 08:21:09	comictest	
updated@admin.sk	<input checked="" type="checkbox"/>	27.02.2023 07:42:53	comictest	20.03.2023 07:43:45	comictest	
Items per page						10

Figure 105: Whitelist

If there is a message at the header saying 'Whitelist is not active...'. To enable Whitelist, the 'app.whitelist.global.active' setting (picture 106) needs to be set to TRUE in the global settings.



Figure 106: Whitelist - on/off in setttings

8.5.1 Whitelist data item

In the following picture 107 you can see the detail of the specific email. In the detail you can either enable/disable the whitelist for the email or delete this whitelist item.

Whitelist detail item - admin@admin.sk	
Recipient	admin@admin.sk
Enabled	<input checked="" type="checkbox"/>
Created	07.03.2023 08:10:29
Created by	comictest
Changed	27.03.2023 08:21:09
Changed by	comictest
<input type="button" value="Save"/> <input type="button" value="Restore"/> <input type="button" value="Cancel"/>	

Figure 107: Whitelist data item

8.6 Settings

In this part of the system (image 108) there are settings that can be changed by the user.

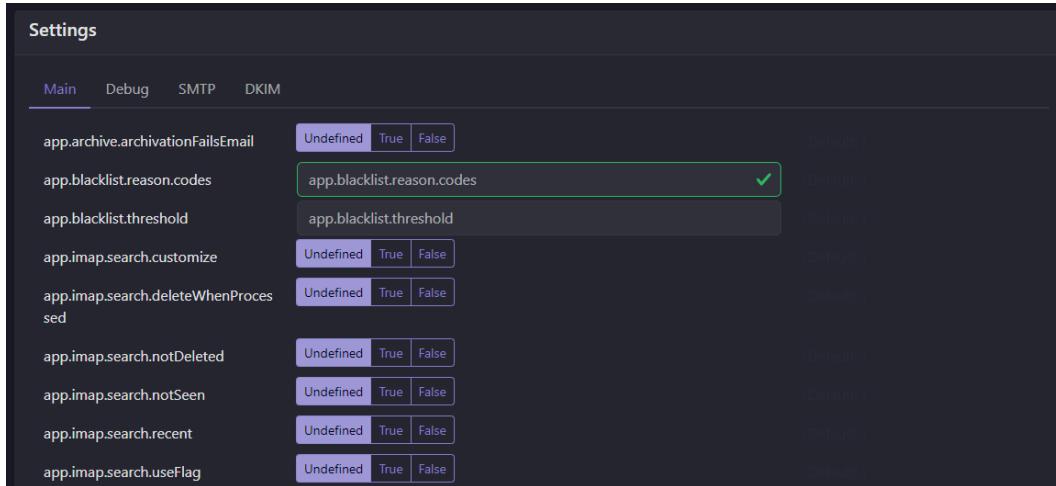


Figure 108: Settings

It is divided into 4 parts:

1. Main
2. Debug
3. SMTP
4. DKIM

Each item has expanding information in the tooltip above the row (picture 109).

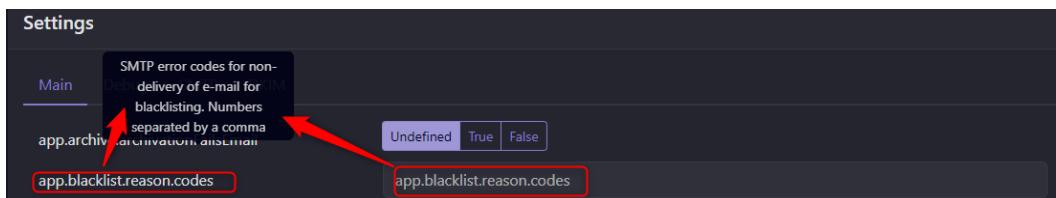


Figure 109: Settings

A more detailed description of each parameter in the settings can be found in the administrator's technical manual.

8.6.1 Main

In this part of the 'MAIN' settings - the following images 110, 111, 112, and 113 are mainly the settings for the doMail server.

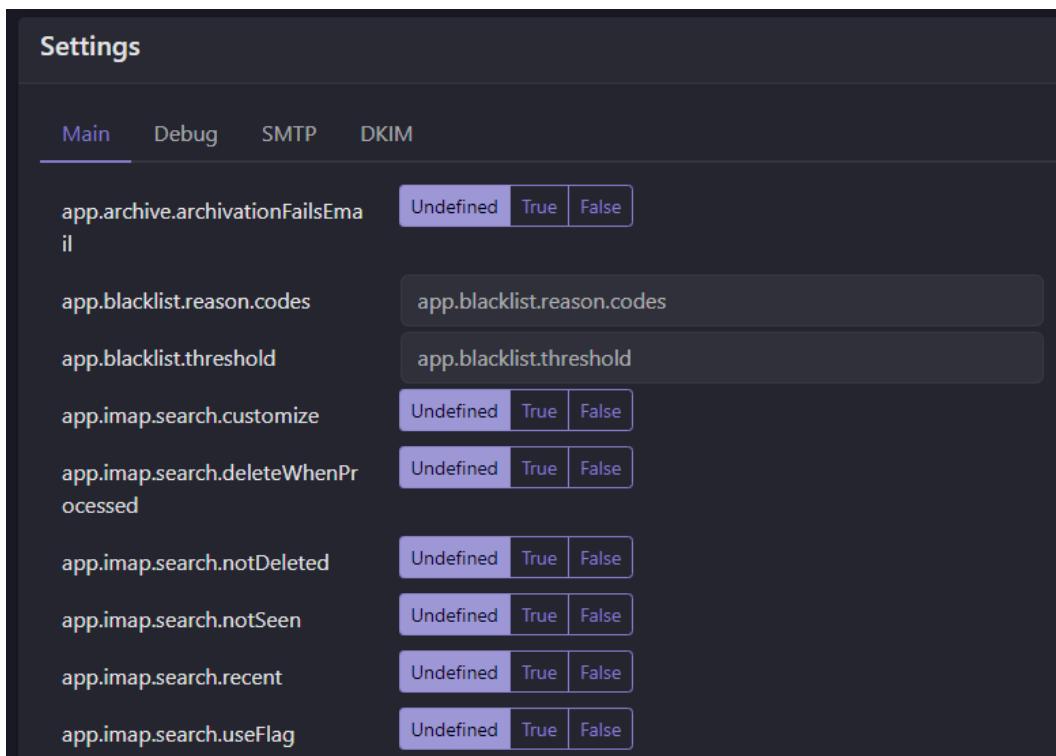


Figure 110: Settings - Main 1

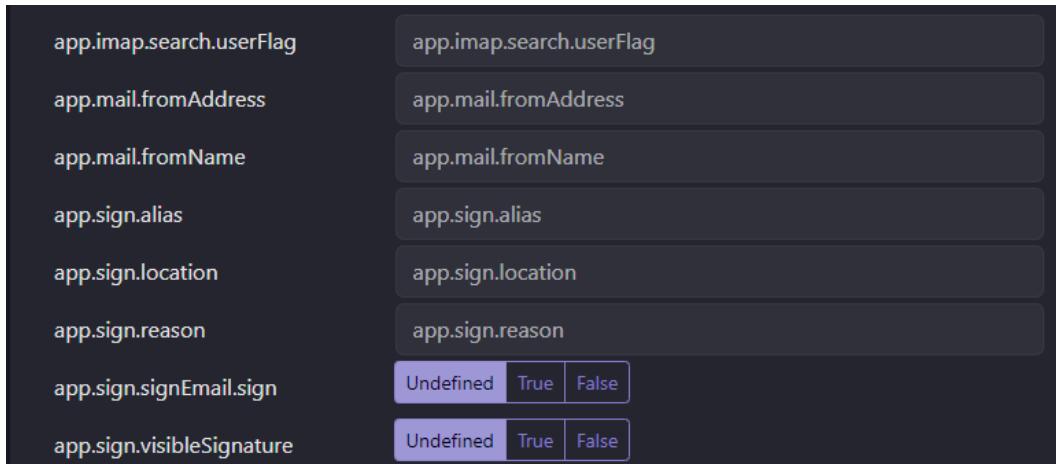


Figure 111: Settings - Main 2

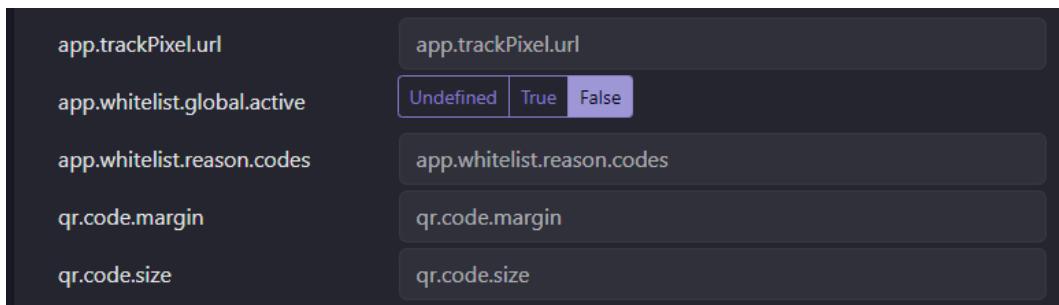


Figure 112: Settings - Main 3

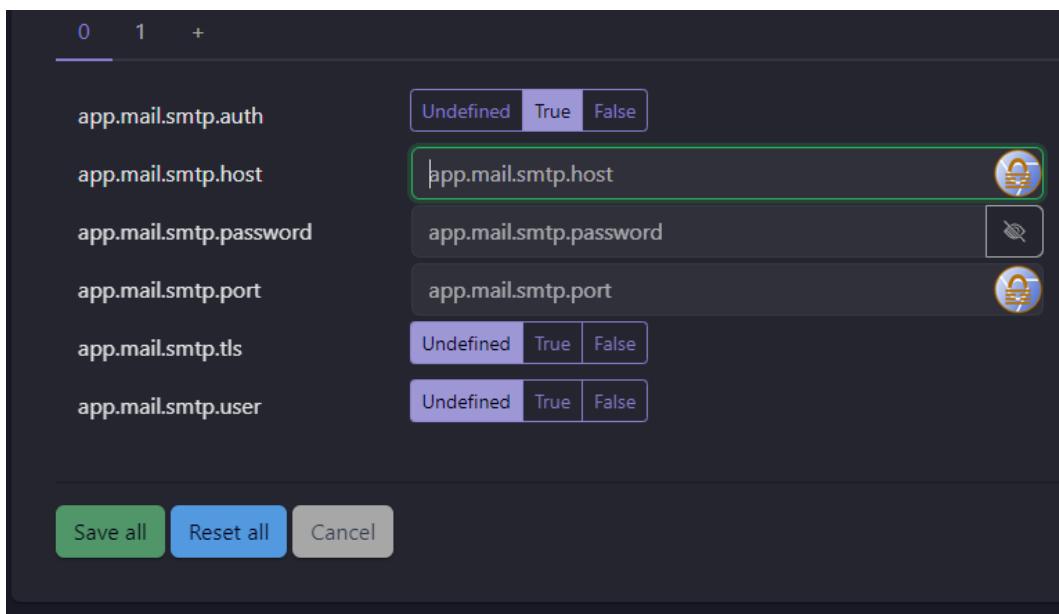


Figure 113: Settings - Main 4

8.6.2 Debug

In this section are the settings for the 'Debug' mode.

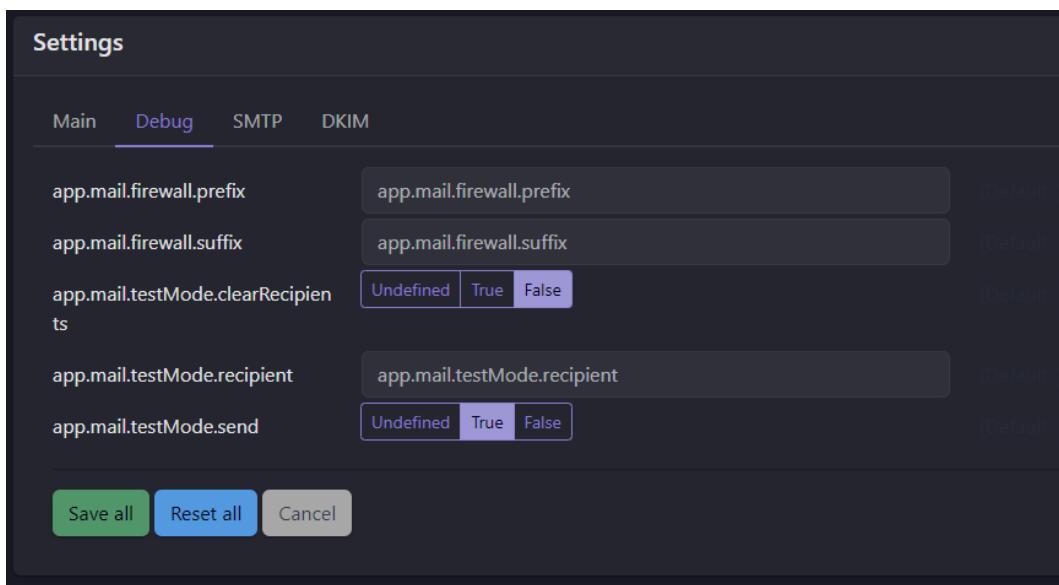


Figure 114: Settings - Debug

8.6.3 SMTP

In this section are the settings for 'SMTP'.

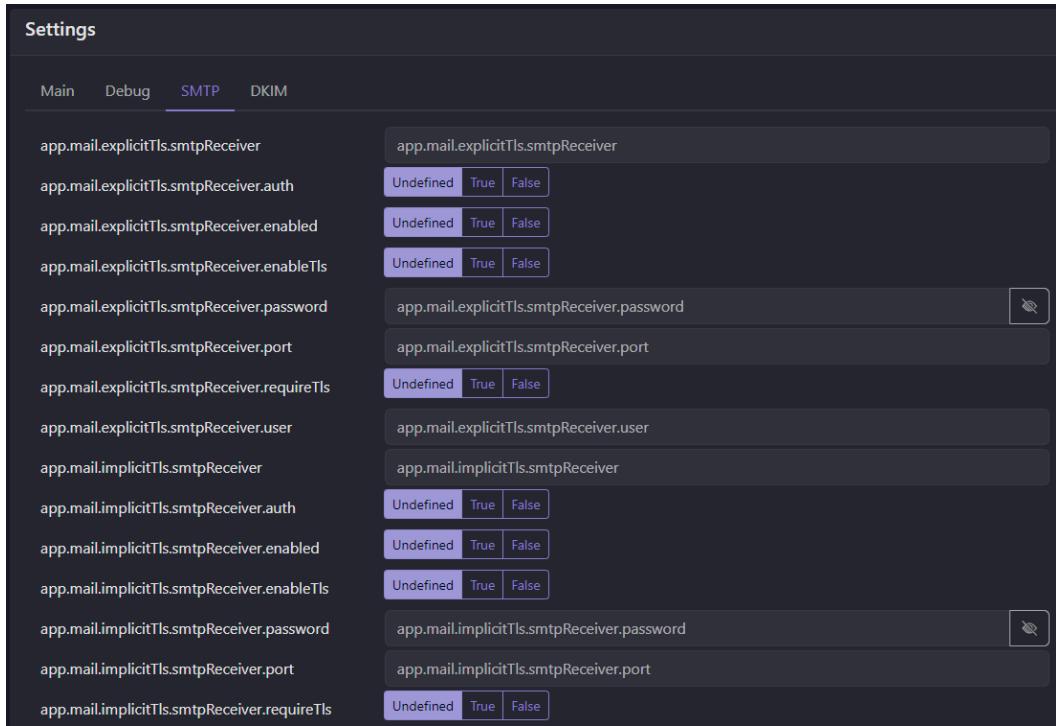


Figure 115: Settings - SMTP 1

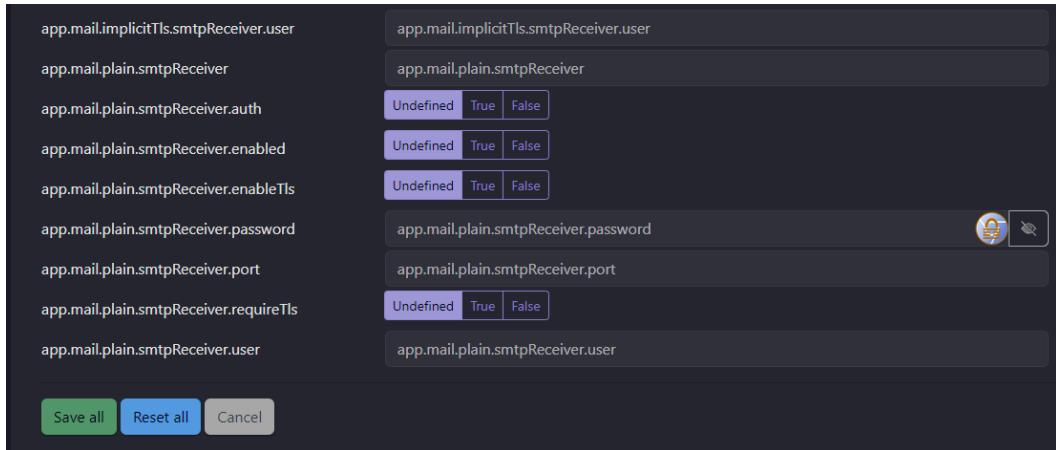


Figure 116: Settings - SMTP 2

8.6.4 DKIM

In this section are the settings for 'DKIM'.

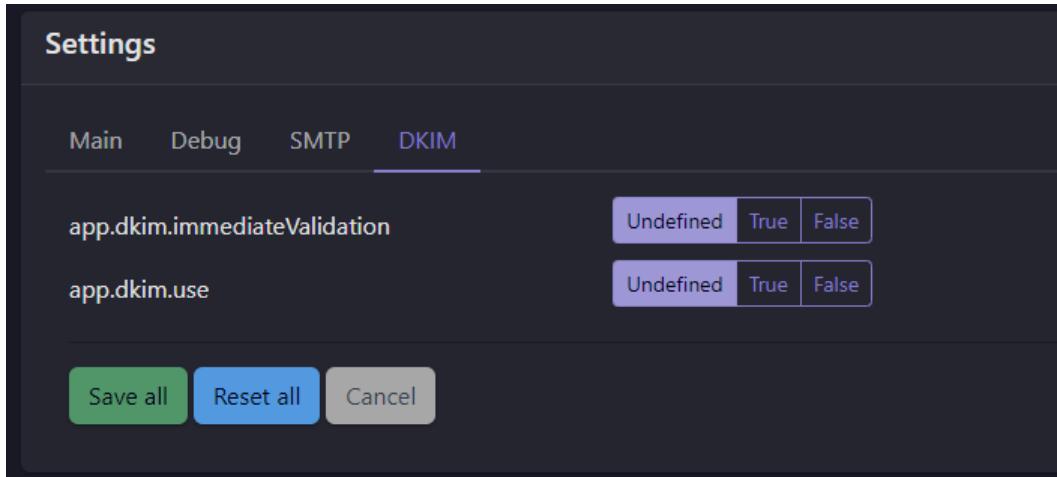


Figure 117: Settings - DKIM

8.7 Certificates

Certificates are managed in this part of the system.

8.7.1 Domail certificates

In the following picture 118 you can see the management of certificates that are uploaded to the doMail server and then can be used for processing.

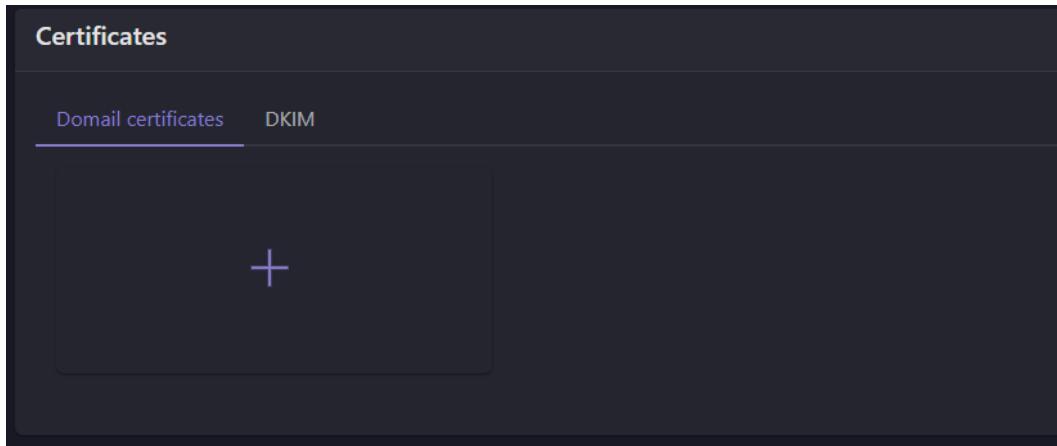


Figure 118: Certificates - Domail certificates

After clicking on the button '+', the window from the picture will be displayed 119.

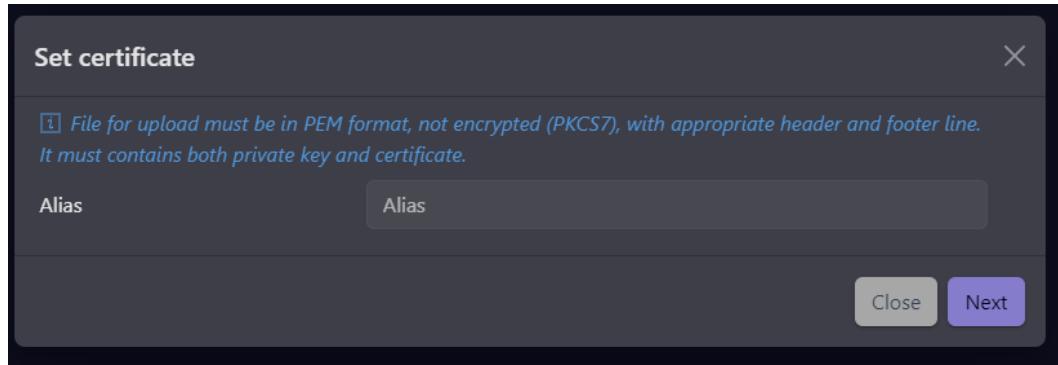


Figure 119: Certificates - Domail certificates - wizzard

After clicking on the button 'Next', a dialog will be displayed to read the certificate (file with the PEM attachment).

8.7.2 DKIM

What DKIM is for? It is a technology for increasing the trustworthiness of emails, which helps to detect spoofed messages. The sent message is signed by the SMTP server with the private key of the sender's domain. This signature is stored in the email header. The receiving server compares this signature with the public key stored in the domain's DNS records. By matching the signature, it is proven that the email actually originated from the sender's domain and was not modified during the transmission of the message.

In the following picture 120 you can see the management of DKIM certificates that are uploaded to the DoMail server and then can be used for processing.

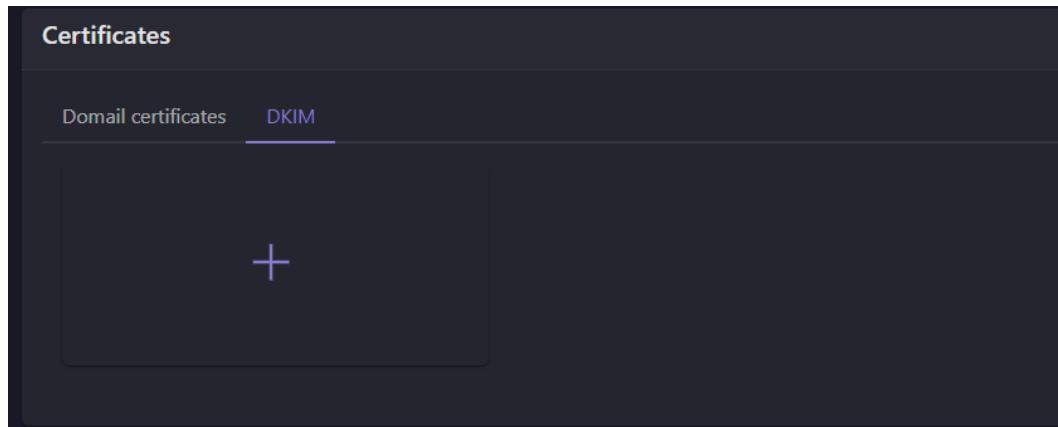


Figure 120: Certificates - DKIM

After clicking on the button '+', the window from the picture will be displayed 121.

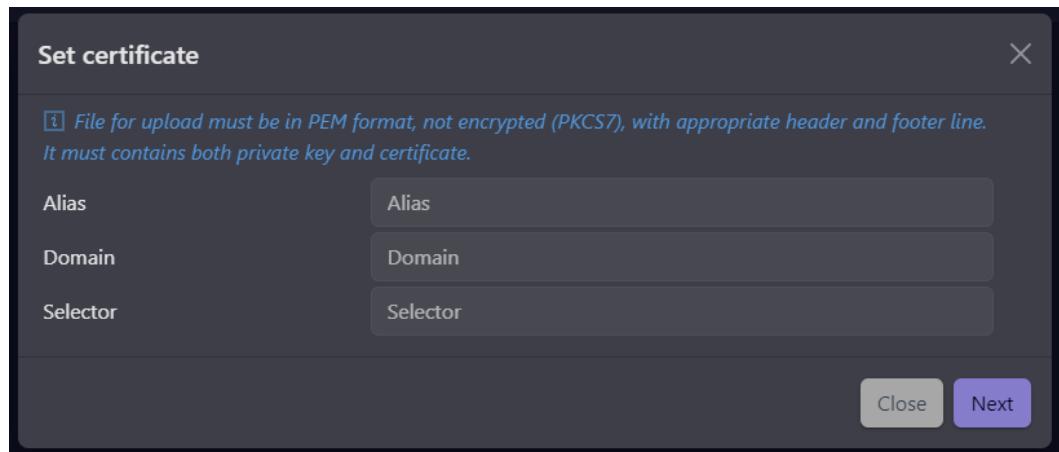


Figure 121: Certificates - DKIM - wizzard

After clicking on the button 'Next', a dialog will be displayed to read the DKIM certificate (file with the PEM attachment).

Alphabetical Index

- ActiveMQ, 55
- Add new scenario, 37
- Administration, 52
 - Blacklist, 56
 - Certificates, 63
 - Monitoring, 55
 - Roles, 53
 - Settings, 58
 - Users, 52
 - Whitelist, 56
- Attachments, 46, 51
- Basic functionalities, 1
- Blacklist, 56
- Campaigns, 24
 - Add campaign, 24
 - Campaign detail, 24
 - General data, 25
 - History, 27
 - Source data, 25
- Certificates, 63
- Communication states, 18
- Communications, 16
 - Communication states, 18
 - Filter, 19
 - Address, 20
 - Header, 19
 - Log, 20
 - Tag, 20
 - Menu action
 - Export, 22
 - Reprocess, 22
- Resend, 20
- Conditions, 38
- Configuration, 36
 - Gallery, 51
 - Attachments, 51
 - Images, 51
 - Scenarios, 36
 - Add new scenario, 36
 - Edit, 36
 - Scripts, 47
 - Constants, 48
 - Create new script, 48
 - Templates, 39
 - Create new template, 40
 - Edit, 42
 - Constants, 48
 - CSV, 42
- Dashboard, 5
- Dashboard modes, 5
- Debug, 60
- Design, 45
- DKIM, 62, 64
- doMail, 1
- doMail system, 1
- doMail UI, 2
- Gallery, 51
- Header, 3
- Images, 47, 51
- JSON, 43
- Login page, 2
- Monitoring, 55
- New Role, 53
- Queues, 55
- Role detail, 54
- Roles, 53
- Scenarios, 36
- Scripts, 47
- Services, 55
- Settings, 58
- Sidebar, 3
- SMTP, 61
- Statistics, 28
 - Filter, 28
 - Group by, 28
 - Addresses, 34
 - Groups, 32
 - Runs, 29
 - Scenarios, 30
 - Tags, 33
- Template data, 42
- Templates, 39
- User detail, 52
- Users, 52
- Whitelist, 56